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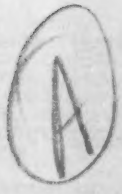

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October 30, 1965 Volume 14, Number 8

TECHNICAL TRANSLATIONS

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FORMAT

This journal is separated into five sections:

(1) Bibliographic citations are divided into 22 major fields; they are further subdivided alphanumerically under 178 groups. References to sources of original text are given as they appear on the translation, with sufficient editing to assure uniformity in citations.

(2) Translations in Process lists titles of translations being prepared by government and private sources. All Special Foreign Currency Science Information (SFCSI) Program translations are listed (formerly PL 480 Program).

(3) Translated or Abstracted Publications lists titles of approximately 190 technical and scientific periodicals regularly translated into English. Included is a cross reference by English title.

(4) Translated Tables of Contents of recent issues of monographs, journals, and journal sections; they are preceded by a list of the English titles of the publications from which they are taken.

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01 AERONAUTICS

A. Aerodynamics

TT-65-12713 Field 1A

Ladnova, L. A.
LAMINAR BOUNDARY LAYER OF A GAS ON A FLAT PLATE TAKING ACCOUNT OF THERMODYNAMIC AND CHEMICAL NONEQUILIBRIUM. 15p, 7refs.
Order from SLA: $1.60 as TT-65-12713

Trans. of Leningrad U. Vestnik (USSR) v19 n19, Seriya Matematiki, Mekhaniki i Astronomiya, n4 p114-28 1964.

TT-65-12826 Field 1A

Bolotin, V. V.; Gavrilov, Yu. V.; Makarov, B. P.; Shveiko, Yu. Yu.
NONLINEAR PROBLEMS OF THE STABILITY OF PLANE PANELS AT HYPERSONIC SPEEDS. 8p, 9refs.
Order from SLA: $1.10 as TT-65-12826

Trans. of Akademiya Nauk SSSR. Izvestiya. Mekhanika i Mashinostroenie, n3 p59-64 1959.

TT-65-12838 Field 1A

Kotyukov, V. G.
ON NONLINEAR PLATE FLUTTER. 4p, 4refs.
Order from SLA: $1.10 as TT-65-12838
Trans. of Moscow U. Vestnik. Seriya 1: Matematika i Mekhanika (USSR) v19 n1 p60-4 1964.

TT-65-63039 Field 1A

Lunev, V. V.
SHOCK LAYER METHOD IN PROBLEMS OF HYPERSONIC FLOW OVER THIN BLUNTED BODIES. 6 Aug 65, 7p, 4refs. FTD-TT-65-935; AD-619 435.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-619 435
Unedited rough draft trans. of Akademiya Nauk SSSR. Izvestiya. Mekhanika i Mashinostroenie, n6 p146-7 1962.

TT-65-63136 Field 1A, 12A

Syagaev, V. F.
METHOD OF NUMERICAL SOLUTION OF THE PROBLEM OF SUPERSONIC FLOW OF A GAS AROUND CONICAL BODIES. 28 May 64, 20p, 7refs. FTD-MT-250; AD-619 564.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-619 564
Edited machine trans. of Zhurnal Vychislitel'noi Matematiki i Matematicheskoi Fiziki (USSR) v3 n4 p742-54 1963.

C. Aircraft

TT-65-12671 Field 1C

Zierep, J.
THE LIFT OF AN ANNULAR STABILIZER AT ACCELERATED OR DECELERATED SUPERSONIC FLIGHT (Ueber den Auftrieb eines Ringfluegels bei Beschleunigtem Oder Verzoegertem Ueberschallflug). 13p, 9refs.
Order from SLA: $1.60 as TT-65-12671
Trans. of Zeitschrift fuer Flugwissenschaften (West Germany) v4 n8 p269-72 1956.

D. Aircraft flight control and instrumentation

TT-65-63119 Field 1D

Kuklev, E. A.
ON CALCULATION OF MOMENT COEFFICIENTS OF SELF-DAMPING AND EFFECTIVENESS OF AIR STEERING RUDDERS OF FLYING PLATFORM' ON HOVERING REGIME. 21 May 64, 1:p, 8refs.
FTD-MT-63-287; AD-619 545.
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Edited machine trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) v5 n4 p12-7 1962.

02 AGRICULTURE

A. Agricultural chemistry

TT-65-12687 Field 2A

Wirths, W.
THE PHYSICAL EXERTION INVOLVED IN FERTILIZER SPREADING (Die Koerperliche Belastung beim Duengerstreuen). 22p, 11refs.
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Trans. of Internationale Zeitschrift fuer Angewandte Physiologie Einschliesslich Arbeitsphysiologie (West Germany) v16 p237-49 1956.

TT-65-30809 Field 2A, 2D

Marinich, P.; Badiryan, G.
DEVELOPMENTS IN PLANT BREEDING AND AGRICULTURAL CHEMISTRY: THE EFFECTIVENESS OF NEW VARIETIES AND HYBRIDS OF AGRICULTURAL CROPS AND FOR CHEMISTRY IN AGRICULTURE. 23 Apr 65, 22p. JPRS-29735.
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Trans. of Ekonomika Selskogo Khozyaistva (USSR) v36 n2 p29-36, 114-17 1965.

TT-65-32281 Field 2A, 2B, 2C, 2D, 2E

COMMUNIST CHINA'S FOOD AND AGRICULTURE: TRANSLATIONS NO. 77. 31 Aug 65, 40p. JPRS-31786.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-65-32281

Translations of 14 selected articles from 1965 issues of various Communist Chiese newspapers and periodicals.

B. Agricultural economics

TT-65-31069 Field 2B, 6D

Klimov, A. A.; Adoyan, A. G.; Dubrovskii, A. A.
CYBERNETICS AND AGRICULTURE: CERTAIN ASPECTS OF THE APPLICATION OF CYBERNETICS TO TECHNOLOGICAL PROCESSES OF AGRICULTURAL PRODUCTION AND THE PROBLEM OF CREATING AUTOMATED AGRICULTURAL ENTERPRISES.
24 May 65, 24p. JPRS-30227.
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Trans. of Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Selskogo Khozyaistva (USSR) v23 n1 p30-6 1965.

TT-65-31398 Field 2B

Arit, R.; Mieszczankowski, M.
SOME QUESTIONS CONCERNING THE FURTHER LEGAL DEVELOPMENT OF THE WORKING CONDITIONS OF THE COOPERATIVE FARMERS (AND) AGRICULTURAL CIRCLES AS THE MAJOR ELEMENTS OF A GRADUAL SOCIALIZATION OF AGRICULTURE. East European Agriculture Forestry, and Food Industries: Translations No. 373. 1 Jul 65, 24p. PRS-30899.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-31398

Trans. of Staat und Recht (East Germany) n5 p774-85 1965. Zycie Gospodarcze (Poland) v20 n25 p6 1965.

TT-65-31542 Field 2B, 2C, 2D

EAST EUROPEAN AGRICULTURE, FORESTRY, AND FOOD INDUSTRIES NO. 374. 12 Jul 65, 84p, 17refs. JPRS-31044.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-65-31542

Translations of 9 selected articles from 1965 issues of various Czechoslovakian, Bulgarian, East German, Hungarian, Polish, Rumanian and Yugoslovian periodicals. Available copy will not permit fully legible reproduction.

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Trans. of 17 selected articles from 1965 issues of Russian periodicals and newspapers.

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Translations of 2 selected articles from Jun 65 issues of the Rumanian newspaper Viata Economica.

TT-65-31803 Field 2B, 2C

Khalfin, R.; Khaidas, G.; Kosenko, G.
SOVIET AGRICULTURE: TRANSLATIONS NO. 87.
29 Jul 65, 15p. JPRS-31306.
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Trans. of Voprosy Ekonomiki (USSR) n5 p15-21 1965 and trans. from Sovetskaya Kirgiziya (USSR) p2 10 Jun 1965.

TT-65-32002 Field 2B, 2C

Berend, I.; Obrejanu, G.; Maianu, Al.
EAST EUROPEAN AGRICULTURE, FORESTRY, AND FOOD INDUSTRIES: TRANSLATIONS NO. 382.
10 Aug 65, 35p. JPRS-31506.
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Trans. of 4 selected articles from 1965 issues of Hungarian and Rumanian periodicals.

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25 Aug 65, 29p. JPRS-31697.
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Translations of 4 selected articles from 1965 issues of various Russian newspapers and periodicals.

C. Agricultural engineering

TT-64-51642 Field 2C, 2D, 2E

COMMUNIST CHINA'S FOOD AND AGRICULTURE: TRANSLATIONS NO. 13. 16 Nov 64, 69p. JPRS-27386.
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Trans. of 9 selected articles from 1964 issues of Communist Chinese periodicals and newspapers. Available copy will not permit fully legible reproduction.

TT-64-51651 Field 2C

Taits, Z.; Lelichev, A.; Dzhoraev, D.; Popov, N.; Drozd, S.
USSR INDUSTRIAL DEVELOPMENT: SOVIET TRACTORS AND AGRICULTURAL MACHINERY NO. 151. 17 Nov 64, 19p. JPRS-27395.
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Trans. of 4 articles from selected Russian periodicals and newspapers.

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Vanzetti, C.
BUILDINGS AND LAND IMPROVEMENTS (Batiments et

Ameliorations Foncieres). 25p.
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Trans. of la Petite Region Agricole p41-8 1952.

TT-65-12654 Field 2C, 2D

Ferron, P.
IRRIGATION IN HORTICULTURE (L 'Irrigation en Culture Horticole). 15p.
Order from SLA: $1.60 as TT-65-12654

Trans. of Revue d' Oka, Agronomie, Medicine Veterinaire (Canada) v30 p30-6 1956.

TT-65-30598 Field 2C

Ryvlin, V.; Rusanov, I.; Sinyavskii, I.; Stradymov, F.; Buzhkevich, M.
USSR INDUSTRIAL DEVELOPMENT: SOVIET TRACTORS AND AGRICULTURAL MACHINERY NO. 180. 29 Mar 65, 34p. JPRS-29311.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-65-30598

Trans. of Tekhnika v Selskom Khozyaistve (USSR) v24 n11 p1-4, p36-8, p44-7 Nov 1964 and trans. from Pravda, Moscow (USSR) 21 Nov p4 1964.

TT-65-30811 Field 2C

Mukimov, Yu.; Terekhov, A.; Zakurdaiev, V.; Povetkin, A.
USSR INDUSTRIAL DEVELOPMENT: SOVIET TRACTORS AND AGRICULTURAL MACHINERY NO. 192.
23 Apr 65, 16p. JPRS-29737.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-30811

Trans. of 4 selected articles from 1964-65 issues of Russian newspapers.

TT-65-30847 Field 2C

Marketov, M.
MULTIFUEL ENGINE (AND) EXCESS OF DEFECTIVE ENGINES PRODUCED BY SERP I MOLOT PLANT. USSR Industrial Development: Soviet Tractors and Agricultural Machinery No. 195. 29 Apr 65, 13p. JPRS-29811.
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Trans. of Selskii Mekhanizator (USSR) n2 p18 1965 and from Ekonomicheskaya Gazeta (USSR) n10(187) p29 Mar 10 1965.

TT-65-31245 Field 2C

Rusanovich, A.; Modelevich, S.; Shabanov, A.; Polunin, N.
USSR INDUSTRIAL DEVELOPMENT: SOVIET TRACTORS AND AGRICULTURAL MACHINERY NO. 208. 11 Jun 65, 15p. JPRS-30569.
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Trans. of Selskii Mekhanizator (USSR) n4 p1, 20, 32 Apr 1965 and trans. from Sovetskaya Belorussiya (USSR) 28 Apr p2 1965.

TT-65-31449 Field 2C, 2B, 2D

Shpolyanskii, D. M.; Komarov, D. T.
USSR INDUSTRIAL DEVELOPMENT: SOVIET TRACTORS AND AGRICULTURAL MACHINERY NO. 212.
6 Jul 65, 28p. JPRS-30950.
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Trans. of Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Selskogo Khozyaistva (USSR) v23 n2 p1-4, 14-6, 28-30 1965.

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Translations of 4 selected articles from 1965 issues of various Communist Chinese newspapers and periodicals.

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Semenov, S.; Zhukovskii, E.
USSR INDUSTRIAL DEVELOPMENT: SOVIET TRACTORS AND AGRICULTURAL MACHINERY NO. 224. 13 Aug 65, 16p. JPRS-31544.
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Trans. of 4 selected articles from 1965 issues of Russian newspapers.

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Contains translations of 6 selected articles from Jun/Jul 65 issues of various Russian newspapers.

D. Agronomy and horticulture

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SUCCESSES IN PLANT BREEDING DURING THE LAST TWENTY YEARS. 10 Nov 64, 15p. JPRS-27302.
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as TT-64-51558

Trans. of Rastenievudni Nauki (Bulgaria) v1 n8 p3-12 1964.

TT-65-12151 Field 2D

Kolk, H.
DETERMINATION OF FUSARIUM INFECTION ON OATS USING FILTER PAPER AND CRUSHED BRICKS. A preliminary report. 5p.
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Trans. of Statens Centrala Froekontrollanstalt. Meddelanden (Sweden) v38 p41-4 1963.

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THE PRAVDA EDITORIAL: TRANSLATION NO. 485 (6 AUGUST 1965). A Big Harvest in 1966. 10 Aug 65, 5p. JPRS-31508.
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Trans. from Pravda, Moscow (USSR) 6 Aug p1 1965.

E. Animal husbandry

TT-65-12583 Field 2E, 6C

Dobberstein, J.
THE PROBLEM OF HEREDITARY DISEASES AND ITS MEANING FOR VETERINARY MEDICINE AND ANIMAL BREEDING (Das Problem der Erbkrankheiten in Seiner Bedeutung fuer die Veterinaermedizin und Tierzucht). 25p, 21refs.
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Trans. of Zeitschrift fuer Tierzuechtung und Zuechtungsbiologie (Germany) v59 n3 p309-21 1951.

TT-65-12616 Field 2E, 6C

Etter, F.; Roemer, R.
THE SENSE OF SMELL, COLOR, SHAPE AND TASTE OF THE CHICKEN. DOES THE CHICKEN HAVE A SENSE OF SMELL (Geruchs-, Farben-, Form- und Geschmackssinn beim Huhn. Hat das Huhn Geruchssinn). 7p.
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Trans. of der Gefluegelhof (Switzerland) v12 p339-40 1949.

TT-65-12669 Field 2E

Loestcher, H.
THE SIGNIFICANCE OF HOMOZYGOSIS AND HETEROZYGOSIS IN ANIMAL PRODUCTION (Homozygotie und Heterozygotie in Ihrer Bedeutung fuer die Tierproduktion). 21p, 16refs.
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Trans. of Schweizerische Landwirtschaftliche Monatshefte, v33 n9/10 p407-15 1955.

TT-65-12842 Field 2E

Harmeyer, J.; Hill, H.
THE VOLUME OF PROTOZOA IN THE RUMEN OF GOATS AND GUANACOS (Das Protozoenvolumen im Panseninhalt bei Ziege und Guanako). 13p, 27refs.
Oder from SLA: $1.60 as TT-65-12842

Trans. of Zentralblatt fuer Veterinaermedizin (Germany) v11a n6 p493-501 1964.

TT-65-31416 Field 2E

Sidorov, M. A.; Kovalenko, Ya. R.; Burba, L. G.; Redko, A. S.; Moroz, P. I.
DEVELOPMENTS IN VETERINARY SCIENCE AND PRACTICE. 1 Jul 65, 27p. JPRS-30917.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-65-31416

Trans. of Veterinariya (USSR) v42 n1 p40-3; n3 p89-91, 104-8 1965.
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TT-65-31623 Field 2E, 6E, 6P

EAST EUROPEAN SCIENTIFIC ABSTRACTS: BIOMEDICAL SCIENCE NO. 18. 16 Jul 65, 60p. JPRS-31125.
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Contains abstracts of articles from East European scientific and technical journals.

TT-65-31843 Field 2E

THE PRAVDA EDITORIALS: TRANSLATION NO. 480. 30 Jul 65, 6p. JPRS-31346.
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Trans. of Pravda, Moscow (USSR) n480 p1 28 Jul 1965.

03 ASTRONOMY AND ASTROPHYSICS

A. Astronomy

TT-65-12767 Field 3A

Rickichi, H.
TELESCOPIC SEARCHLIGHT (OR LONG DISTANCE OPERATIVE SEARCHLIGHT). 7p, (foreign text included).
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Trans. of Patent (Japan) pub. 39-2600.
Patent appl. Showa 37-4964, cl 93F 61 and 93F 612, filed 10 Feb 62, pub. 12 Mar 64.

B. Astrophysics

TT-65-12496 Field 3B

Duhurt, M.
FAST-ROTATING STAR MODELS. Doctoral thesis, Paris Univ. 43p, (refs omitted).
Order from SLA: $4.60 as TT-65-12496

TT-65-29190 Field 3B

Kurt, V. L.
EIN KUNSTLICHER NATRIUM-KOMET. 8p.

Order from ETC or TIB: $1.10 as TT-65-29190

Trans. in German from Priroda (USSR) v48 1959.

04 ATMOSPHERIC SCIENCES

A. Atmospheric physics

TT-65-12205 Field 4A

Moretti, M.
CARBON DIOXIDE CONTENT OF FREE AIR. 12p.
Order from SLA: $1.60 as TT-65-12205

Trans. of CENFAM T. R. (Rome) n2 Jan 1963.

TT-65-12820 Field 4A

Gurvich, A. S.; Kravchenko, T. K.
ON THE FREQUENCY SPECTRUM OF TEMPERATURE PULSATIONS IN THE RANGE OF SMALL SCALES (O Chastotnom Spektre Pul'satsii Temperatury v Oblasti Malykh Masshtabov). 6p, 4refs.
Order from SLA: $1.10 as TT-65-12820

Trans. of Akademiya Nauk SSSR. Institut Fiziki Atmosfery. Trudy, n4 p144-6 1962.

TT-65-62022 Field 4A, 4B, 12A

Barashkova, E. P.
METHOD OF CALCULATING LONGWAVE FLUXES IN THE TROPOSPHERE IN THE CASE OF A CLOUDNESS SKY (K Metodike Rascheta Dlinnovolnovykh Potokov v Troposfere pri Bezoblachnom Nebe). Apr 65, 17p, 7refs. NASA TT F-320; N65-21434.
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Trans. of Glavnaya Geofizicheskaya Observatoriya, Leningrad. Trudy (USSR) n152(214) p68-80 1964.

TT-65-62023 Field 4A, 4B

Galperin, B. M.; Seryakova, L. P.
SCATTERED AND TOTAL SOLAR RADIATION UNDER VARIOUS CONDITIONS (Rasseyannaya i Summarnaya Solnechnaya Radiatsiya Pri Razlichnykh Usloviyakh). Apr 65, 17p, 10refs. NASA TT F-323; N65-21228.
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Trans. of Glavnaya Geofizicheskaya Observatoriya, Leningrad. Trudy (USSR) n152(214) p96-109 1964.

TT-65-62024 Field 4A, 20F

Novoseltsev, E. P.
ATTENUATION OF TOTAL RADIATION IN UPPER LAYER CLOUDS (Oslablenie Summarnoi Radiatsii Oblakami Verkhnego Yarusa). Apr 65, 9p, 6refs. NASA TT F-322; N65-21227.
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Trans. of Glavnaya Geofizicheskaya Observatoriya, Leningrad. Trudy (USSR) N152(214) p90-5 1964.

TT-65-62028 Field 4A, 20F

Kagan, V. K.; Ryabova, E. P.
COMPUTING THE SPECTRAL DISTRIBUTION OF THE BRIGHTNESS OF THE CLOUDLESS SKY IN A TWO-PARAMETER MODEL OF THE ATMOSPHERE (K Raschetu Spektralnog Raspredeleniya Yarkosti Bezoblachnogo Neba v Dvukhparametricheskoy Modeli Atmosfery). Apr 65, 17p, 5refs. NASA TT F-318; N65-20987.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as N65-20987

Trans. of Glavnaya Geofizicheskaya Observatoriya, Leningrad. Trudy (USSR) n152(214) p16-30 1964.

TT-65-62040 Field 4A, 4B

Dyachenko, L. N.
THE DISTRIBUTION OF EFFECTIVE RADIATION THROUGHOUT THE USSR (Raspredeleniye Effektivnogo Izlucheniya po Territorii SSSR). Apr 65, 18p, 10refs. NASA TT F-325; N65-21649.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as N65-21649

Trans. of Glavnaya Geofizicheskaya Observatoriya, Leningrad. Trudy (USSR) n152(214) p126-41 1964.

B. Meteorology

TT-65-11797 Field 4B

STANDARD CLIMATE. 2p.
Order from SLA: $1.10 as TT-65-11797

Trans. of German Standards specification DIN 50,014.

TT-65-62014 Field 4B

Soloveev, V. A.
REASONS FOR THE LACK OF CORRELATION BETWEEN ATMOSPHERIC DISTURBANCES AND WEATHER CONDITIONS (O Prichinakh Nesootvetstviya Atmosferikov s Usloviyami Pogody). Apr 65, 4p, 8refs. NASA TT F-332; N65-20884.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as N65-20884

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Kamaldina, I. I.
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Order from CFSTI or ETC: HC$1.00, MF$0.50 as N65-21231
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Novoseltsev, E. P.
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Otrazhatelnaya Sposobnost Oblakov). Apr 65, 8p, 7refs.
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Order from CFSTI or ETC: HC$1.00, MF$0.50 as N65-21436

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MEASUREMENT OF THE MICROSTRUCTURE BY THE METHOD OF SMALL ANGLES (Izmereniya Mikrostruktury Metodom Malykh Uglov). Apr 65, 19p, 10refs.
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Order from CFSTI or ETC: HC$1.00, MF$0.50 as N65-20986

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TT-65-62030 Field 4B, 4A

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Order from CFSTI or ETC: HC$1.00, MF$0.50 as N65-20988

Trans of Glavnaya Geofizicheskaya Observatoriya, Leningrad. Trudy (USSR) n152(214) p160-67 1964.

TT-65-62897 Field 4B

ACTA METEOROLOGICA SINICA, VOL. 34, NO. 2, 1964: TABLE OF CONTENTS AND ABSTRACTS Tr. by N. H. Ng. Apr 65, 12p. E-TC-Ch-65-30; AD-619 260.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-619 260

Abstract trans. of Ch'i Hsiang Hsueh Pao (Chinese People's Republic) v34 n2 p127-252 1964.
Translated under contract AF19 628 5073.

TT-65-63094 Field 4B, 20F

Laktionov, A. G.; Zabrodskii, G. M.
RESULTS OF INVESTIGATION OF AEROSOLS BY OPTICAL METHODS (AND) RESULTS OF EXPERIMENTAL RESEARCH OF OPTICAL DENSITY OF CLOUDS. 9 Jul 65, 30p, 5refs. FTD-MT-64-367; AD-619 471.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as AD-619 471

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05 BEHAVIORAL AND SOCIAL SCIENCES

A. Administration and management

TT-65-30254 Field 5A

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COMMUNIST CHINA'S SCIENCE AND TECHNOLOGY: TRANSLATIONS NO. 142. 2 Feb 65, 73p. JPRS-28582.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-65-30254

Trans. of selected articles from 1964 issues of Communist Chinese periodicals and newspapers. Available copy will not permit fully legible reproduction.

TT-65-30526 Field 5A

COMMUNIST CHINA'S SCIENCE AND TECHNOLOGY: TRANSLATIONS NO. 160. 17 Mar 65, 9p. JPRS-29153.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-30526

Trans. from Kuang Ming Jih Pao (Chinese People's Republic) 20 Feb p2 1965. Jen Min Jih Pao (Chinese People's Republic) 24 Dec p2 1964; 7 Feb p1 1965.

TT-65-30911 Field 5A

ROLE AND ACTIVITIES OF REPUBLIC ACADEMIES OF SCIENCES. 5 May 65, 6p. JPRS-29923.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-30911

Trans. from Pravda, Moscow (USSR) 19 Jan p1 1965.

TT-65-31072 Field 5A, 12A, 9B, 7B, 4A, 7C, 7D, 6C, 6A, 6E, 5K

Krustanov, L.
BULGARIAN SCIENCE ON THE RIGHT PATH. 25 May 65, 7p. JPRS-30231.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-31072

Trans. from Otechestven Front (Bulgaria) p2 3 Nov 1964.

TT-65-31575 Field 5A

G. Manev
FINANCING OF CENTRAL COUNCIL OF SCIENTIFIC-TECHNICAL UNIONS OF BULGARIA. 13 Jul 65, 6p. JPRS-31077.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-31575

Trans. from Durzhaven Vestnik (Bulgaria) 25 Jun p2 1965.
Regulation of Minister of Finance.

TT-65-31618 Field 5A

COMMUNIST CHINA'S SCIENCE AND TECHNOLOGY: TRANSLATIONS NO. 197. 16 Jul 65, 51p. JPRS-31120.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-65-31618

Translations of 9 selected articles from May-Jun 65 issues of various Communist Chinese newspapers.

TT-65-31755 Field 5A

COMMUNIST CHINA'S SCIENCE AND TECHNOLOGY: TRANSLATIONS NO. 199. 27 Jul 65, 18p. JPRS-31258.

Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-31755

Trans. of K'o Hsueh Ta Chung (Chinese People's Republic) n5 p17-9 1965 and from Kuang Ming Jih Pao (Chinese People's Republic) 25 May p2, 15 Jun p1 1965.

TT-65-32190 Field 5A

RUMANIAN SCIENTISTS DISCUSS CLOSER COORDINATION OF BASIC AND APPLIED SCIENCES. 25 Aug 65, 14p. JPRS-31695.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-32190

Trans. from Viata Economica (Rumania) n29 p12-3 16 Jul 1965.

TT-65-32295 Field 5A

COMMUNIST CHINA'S SCIENCE AND TECHNOLOGY: TRANSLATIONS NO. 211. 1 Sep 65, 25p. JPRS-31800.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-32295

Translations of 11 selected articles from 1965 issues of various Communist Chinese newspapers.

B. Documentation and information technology

TT-65-32036 Field 5B, 5G

Gryaznukhina, T. A.; Pshenichnaya, L. E. Skorokhodko, E. F.
AN INFORMATION RETRIEVAL SYSTEM. Foreign Developments in Machine Translation and Information Processing No. 175. 13 Aug 65, 73p, 18refs. JPRS-31540.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-65-32036

Trans. of mono. Sistema Informatsionnogo Poiska, Kiev p1-84 1964.

TT-65-63276 Field 5B

ATD CUMULATIVE INDEX, 1960-1964. 1 Mar 65, 69p. AD-619 771.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as AD-619 771

C. Economics

TT-65-30264 Field 5C

USSR INDUSTRIAL DEVELOPMENT: SOVIET REGIONAL ECONOMY NO. 138. 2 Feb 65, 11p. JPRS-28599.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-30264

Translations of 2 selected articles from Nov 64 and Jan 65 issues of various Russian newspapers.
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TT-65-30690 Field 5C

USSR INDUSTRIAL DEVELOPMENT: SOVIET REGIONAL ECONOMY NO. 152. 9 Apr 65, 18p. JPRS-29506.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-30690

Translations of 3 selected articles from Dec 64 issues of various Russian newspapers.
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TT-65-30720 Field 5C

USSR INDUSTRIAL DEVELOPMENT: SOVIET REGIONAL ECONOMY NO. 153. 13 Apr 65, 34p. JPRS-29562.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-65-30720

Translations of 9 selected articles from 1965 issues of various Russian newspapers.

TT-65-30758 Field 5C

Chydyrov, A. K.; Glazyrin, V.; Gankevich, .
USSR INDUSTRIAL DEVELOPMENT: SOVIET REGIONAL ECONOMY NO. 154. 19 Apr 65, 28p. JPRS-29637.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-65-30758

Trans. of 5 selected articles from 1964-65 issues of Russian newspapers.

TT-65-30924 Field 5C

USSR INDUSTRIAL DEVELOPMENT: SOVIET REGIONAL ECONOMY NO. 157. 5 May 65, 23p. JPRS-29947.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-30924

Translations of 3 selected articles from 1965 issues of various Russian newspapers.

TT-65-31404 Field 5C

Markowski, S.; Zbigniew, W.; Szwarc, K.
ECONOMIC ORGANIZATION AND MANAGEMENT IN EASTERN EUROPE: TRANSLATIONS NO. 487. 1 Jul 65, 26p. JPRS-30905.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-31404

Trans. of Zycie Gospodarcze (Poland) v20 n22 p1, 3, 6-8 1965.

TT-65-31470 Field 5C, 5D

SUMMARY OF THE RUMANIAN PROVINCIAL PRESS NO. 313. 8 Jul 65, 22p. JPRS-30972.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-31470

Consists of full, partial or condensed translations or summaries based on all available Rumanian newspapers published 25-30 May 65 on political and economic subjects.

TT-65-31486 Field 5C

Cika, Z. M.; Raicevic, M.
ECONOMIC ORGANIZATION AND MANAGEMENT IN EASTERN EUROPE: TRANSLATIONS NO. 490.
8 Jul 65, 27p. JPRS-30988.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-65-31486

Trans. of Socijalna Politika (Yugoslavia) v15 n2 p149-66 Feb 1965.

TT-65-31521 Field 5C, 5A

PRESS INFORMATION REPORT ON ALBANIA NO. 138.
12 Jul 65, 48p. JPRS-31023.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-65-31521

Contains translation of 9 selected articles from 1965 issues of various Albanian newspapers.

TT-65-31532 Field 5C, 2B

ECONOMIC RESEARCH NO. 3, MARCH 1965. 12 Jul 1965, 112p, 34refs. JPRS-31034.
Order from CFSTI or ETC: HC$4.00, MF$0.75
as TT-65-31532

Trans. of Ching Chi Yen Chiu (Chinese People's Republic) n3 p1-61 Mar 20 1965.

TT-65-31533 Field 5C, 2B, 13H

ECONOMIC RESEARCH, 1965, NO. 4: SELECTED TRANSLATIONS. 12 Jul 65, 67p. JPRS-31035.
Order from CFSTI or ETC: HC$3.00, MF$0.75
as TT-65-31533

Trans. of Ching Chi Yen Chiu (Chinese People's Republic) n4 p1-23, 28-31, 47-52 20 Apr 1965.

TT-65-31540 Field 5C

USSR CONSUMER GOODS AND DOMESTIC TRADE: TRANSLATIONS NO. 90. 12 Jul 65, 106p. JPRS-31042.
Order from CFSTI or ETC: HC$4.00, MF$0.75
as TT-65-31540

Translations of 19 selected articles from 1965 issues of various Russian newspapers and periodicals.

TT-65-31598 Field 5C

SOVIET ECONOMIC SYSTEM: CURRENT DEVELOPMENT NO. 93. 15 Jul 65, 15p. JPRS-31100.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-65-31598
Contains excerpts and reviews of articles from current Russian periodicals.

TT-65-31599 Field 5C

SUMMARY OF RUMANIAN PROVINCIAL PRESS NO. 315.
15 Jul 65, 26p. JPRS-31101.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-65-31599

Consists of full, partial or condensed translations or summaries based on all available Rumanian newspapers published 6-13 Jun 65 on political, sociological and economic subjects.

TT-65-31606 Field 5C, 5A

ECONOMIC ORGANIZATION AND MANAGEMENT IN EASTERN EUROPE: TRANSLATIONS NO. 493. 15 Jul 65, 78p. JPRS-31108.
Order from CFSTI or ETC: HC$3.00, MF$0.75
as TT-65-31606

Trans. of 7 selected articles from 1965 issues of Bulgarian, East German and Rumanian periodicals.

TT-65-31619 Field 5C

ECONOMIC REPORT ON NORTH KOREA NO. 158.
16 Jul 65, 46p. JPRS-31121.
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Translations of 8 selected articles from May-Jun 65 issues of various North Korean newspapers.

TT-65-31738 Field 5C, 5D

POLITICAL AND SOCIOLOGICAL INFORMATION ON NORTH KOREAN TRANSLATIONS NO. 100. 26 Jul 65, 54p. JPRS-31241.
Order from CFSTI or ETC: HC$3.00, MF$0.75
as TT-65-31738

Translations of 6 selected articles from 1965 issues of various North Korean periodicals.

TT-65-31751 Field 5C, 5D

MONGOLIA: TRANSLATIONS NO. 78. 27 Jul 65, 35p. JPRS-31254.
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Trans. of 7 selected articles from 1965 issues of Mongolian periodicals.

TT-65-31762 Field 5C, 9C, 13H

COMMUNIST CHINA DIGEST NO. 152. 27 Jul 65, 113p. JPRS-31265.
Order from CFSTI or ETC: HC$4.00, MF$0.75
as TT-65-31762

Trans. of extracts or summaries from selected articles of Chinese Communist and other publications concerning all major aspects of Chinese life.

TT-65-31763 Field 5C

Aliakhverdyan, G.
OPTIMUM RELATIVE RATES OF GROWTH AMONG BRANCHES OF INDUSTRY IN ARMENIAN SSR SHOULD

BE SOUGHT (The Soviet Economic System: Structure and Policy No. 206. 27 Jul 65, 5p. JPRS-31266.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-65-31763

Trans. from Kommunist, Erevan (USSR) p3 2 Jun 1965.

TT-65-31789 Field 5C

NORTH VIETNAM'S ECONOMY: TRANSLATIONS NO. 187. 28 Jul 65, 42p. JPRS-31292.
Order from CFSTI or ETC: HC$2.00, MF$0.50
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Trans. of 7 selected articles from 1965 issues of North Vietnamese periodicals and newspapers.

TT-65-31790 Field 5C

THE PRAVDA EDITORIALS: TRANSLATIONS NO. 478 (25-26 JULY 1965). 28 Jul 65, 9p. JPRS-31293.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-65-31790

Trans. of Pravda, Moscow (USSR) p1 25-26 Jul 1965.

TT-65-31791 Field 5C, 5A

Rutgaizer, V.
THE SOVIET ECONOMIC SYSTEM: STRUCTURE AND POLICY NO. 207. 29 Jul 65, 15p. JPRS-31294.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-65-31791

Trans. of Voprosy Ekonomiki (USSR) n4 p145-6, 151-4 Apr 1965.

TT-65-31792 Field 5C

Schulz, H.-D.; Rydygier, W.; Lazaroiu, D.
Vukadinovic, R.
EAST EUROPEAN FOREIGN TRADE: TRANSLATIONS NO. 236, 29 Jul 65, 43p. JPRS-31295.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-65-31792

Trans. of 4 selected articles from 1965 issues of German, Polish, Rumanian and Serbocroation periodicals and newspapers.

TT-65-31793 Field 5C, 5A

Lonti, G.; Bakovic, J.; Veselica, V.; Knezevic, K.;
Tavcar, J.
ECONOMIC ORGANIZATION AND MANAGEMENT IN EASTERN EUROPE: TRANSLATIONS NO. 497. 29 Jul 65
71p. JPRS-31296.
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as TT-65-31793

Trans. of 5 selected articles from 1965 issues of Hungarian and Serbo-Croation periodicals and newspapers.

TT-65-31794 Field 5C

EXPOSITION OF MOROCCAN THREE-YEAR PLAN. Africa: Translations No. 227. 29 Jul 65, 63p. JPRS-31297.
Order from CFSTI or ETC: HC$3.00, MF$0.50
as TT-65-31794

Trans. from La Vie Economique (Casablanca) p2-5, 8-16, 21 30 Apr 1965.

TT-65-31802 Field 5C, 5A

Kovalev, N.; Allakhverdyan, G.
THE SOVIET ECONOMIC SYSTEM: STRUCTURE AND POLICY NO. 208. 29 Jul 65, 14p. JPRS-31305.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-65-31802

Trans. of Voprosy Ekonomiki (USSR) n4 p141-4 Apr 1965. Kommunist, Erevan (USSR) p3 2 Jun 65.

TT-65-31810 Field 5C

AFRICA: TRANSLATIONS NO. 228. 29 Jul 65, 64p. JPRS-31313.
Order from CFSTI or ETC: HC$3.00, MF$0.75
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Trans. of 11 selected articles from 1965 issues of periodicals and newspapers from various countries of Africa except Egypt.

TT-65-31812 Field 5C, 5D

SUMMARY OF THE POLISH PROVINCIAL PRESS NO. 403 (13-19 JULY 1965). 29 Jul 65, 35p. JPRS-31315.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-65-31812

Consists of full, partial or condensed translations or summaries based on all available Polish provincial newspapers published 13-19 July 1965 on governmental, political, sociological, economic and other subjects.

TT-65-31813 Field 5C

Oleinik, I.; Gorizontov, B.; Milkulskii, K.
USSR INTERNATIONAL ECONOMIC RELATIONS NO. 36. 29 Jul 65, 28p. JPRS-31316.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-65-31813

Trans. of 3 selected articles from 1965 issues of Russian periodicals and newspapers.

TT-65-31842 Field 5C, 5A

ECONOMIC ORGANIZATION AND MANAGEMENT IN EASTERN EUROPE: TRANSLATIONS NO. 498. 30 Jul 65, 78p. JPRS-31345.
Order from CFSTI or ETC: HC$3.00, MF$0.75
as TT-65-31842

Trans. of 7 selected articles from 1965 issues of Rumanian, Bulgarian, East German, and Polish periodicals.

TT-65-32001 Field 5C

Mardanov, M.
THE SOVIET ECONOMIC SYSTEM: STRUCTURE AND POLICY NO. 212. 10 Aug 65, 10p. JPRS-31505.
Order from CFSTI or ETC: HC$1.00, MF$0.50

as TT-65-32001

Trans. from Kazakhstanskaya Pravda (USSR) 22 Jun 1965, Vyshka (USSR) p2 12 Jun 1965.

TT-65-32011 Field 5C, 5D

SUMMARY OF THE RUMANIAN PROVINCIAL PRESS NO. 318 (27 JUNE-6 JULY 1965). 11 Aug 65, 25p. JPRS-31515.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-65-32011

Consists of full, partial or condensed translations or summaries based on all available Rumanian provincial newspapers published 27 June-6 July 1965 on political and economic subjects.

TT-65-32016 Field 5C

Gonzalez, R. C.
CUBA: TRANSLATIONS NO. 291. 11 Aug 65, 32p. JPRS-31520.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-65-32016

Trans. of 3 selected articles from 1965 issues of Cuban periodicals and a German newspaper on political, economic and sociological subjects.

TT-65-32033 Field 5C, 5D

Vasquez, J.
CUBA: TRANSLATIONS NO. 292. 13 Aug 65, 67p. JPRS-31537.
Order from CFSTI or ETC: HC$3.00, MF$0.75
as TT-65-32033

Trans. of 5 selected articles from 1965 issues of Cuban periodicals and newspapers on political and economic subjects.

TT-65-32046 Field 5C, 5D

SUMMARY OF THE HUNGARIAN PROVINCIAL PRESS NO. 365 (1-17 JULY 1965). 16 Aug 65, 35p. JPRS-31550.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-65-32046

Trans. of full, partial or condensed summaries based on all available Hungarian provincial newspapers published 1-7 July 1965 on government, political, economic and sociological subjects.

TT-65-32047 Field 5C, 5D

SUMMARY OF THE HUNGARIAN PROVINCIAL PRESS NO. 266 (8-11, 13, 14 JULY 1965). 16 Aug 65, 24p. JPRS-31551.
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as TT-65-32047

Trans. of full, partial or condensed summaries based on all available Hungarian provincial newspapers published 8-11, 13, 14 July 1965 on governmental, political, economic and sociological subjects.

TT-65-32072 Field 5C

SUMMARY OF THE BULGARIAN PROVINCIAL PRESS NO. 241. 17 Aug 65, 16p. JPRS-31576.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-65-32072

Consists of full, partial or condensed translations or summaries based on all available Bulgarian newspapers published 28 Jun - 4 Jul 65 on political, sociological and economic subjects.

TT-65-32181 Field 5C, 13I

Riznik, A.
SUMMARY REPORT-BALANCE OF EQUIPMENT AND MACHINERY. 24 Aug 65, 21p. JPRS-31686.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-65-32181

Trans. of Vestnik Statistiki (USSR) n6 p3-15 1965.

TT-65-32191 Field 5C

SOVIET ECONOMIC SYSTEM: STRUCTURE AND POLICY NO. 218. 25 Aug 65, 35p. JPRS-31696.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-65-32191

Translations of 4 selected articles from Jun 65 issues of various Russian newspapers, on structure and policy in the Soviet Union.

TT-65-32264 Field 5C

Tulpan, I.; Horvath, T.
THE ROLE OF FINANCE IN THE COMPLETION OF SOCIALIST CONSTRUCTION AND THE NEED FOR INCREASING THE EFFICIENCY OF TECHNICAL CONTROL BY THE INVESTMENT BANK. Economic Organization and Management in Eastern Europe; Translations No. 505. 30 Aug 65, 43p. JPRS-31769.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-65-32264

Trans. of Finante Si Credit (Rumania) n6 p3-30 1965.

TT-65-32282 Field 5C

COMMUNIST CHINA'S INDUSTRY AND MATERIALS: TRANSLATIONS NO. 77. 31 Aug 65, 33p. JPRS-31787.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-65-32282

Translations of 15 selected articles from 1965 issues of various Communist Chinese newspapers and periodicals.

TT-65-32285 Field 5C

EAST EUROPEAN SERVICE INDUSTRIES: TRANSLATIONS NO. 399. 31 Aug 65, 14p. JPRS-31790.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-65-32285

Contains translations of selected articles from Jul 65 issues of various East German periodicals.

D. History, law and political science

TT-64-51668C Field 5D

POLITICAL AND SOCIOLOGICAL INFORMATION ON COMMUNIST CHINA: TRANSLATIONS NO. 212.
17 Nov 64, 77p. JPRS-27414.
Order from CFSTI or ETC: HC$3.00, MF$0.75
as TT-64-51668C

Trans. of 10 selected articles from 1964 issues of Communist Chinese periodicals and newspapers.

TT-65-11681 Field 5D

Oberem, U.
THE REVOLT BY THE PENDE OF THE QUIJO OF EAST ECUADOR IN 1578 (Die Aufstandsbewegung der Pende bei den Quijo Ost-Ekuadors im Jahre 1578). 13p, 1ref.
Order from SLA: $1.60 as TT-65-11681

Trans. from mono. Chiliasmus und Nativismus, p75-80 1961.

TT-65-11772 Field 5D

Grosser, A.
FRIENDSHIP WITHOUT ILLUSION: A FRENCHMAN ANALYZES FRANCO-GERMAN RELATIONS. 11p.
Order from SLA: $1.60 as TT-65-11772

Trans. from die Zeit (West Germany) Nov 20 1964.

TT-65-12117 Field 5D, 5C

Mann, F. K.
THE FINANCIAL COMPONENT OF POLITICAL REVOLUTIONS (Die Finanzkomponente der Politischen Revolutionen). 28p, 45refs.
Order from SLA: $2.60 as TT-65-12117

Trans. of Koelner Zeitschrift fuer Soziologie und Sozialpsychologie (West Germany) v4 p1-18 1951/52.

TT-65-31258 Field 5D, 6E, 6I

Borovik-Romanov, A. S.; Pimaievskii, L. P.; Glŏbachev, I.; Lezhnev, Yu. V.; Zaitseva, V.
NEWS OF SCIENCE IN THE SOVIET BLOC. 14 Jun 65, 22p. JPRS-30596.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-65-31258

Trans. of 5 selected articles from 1964-65 issues of Russian periodicals and newspapers.

TT-65-31464 Field 5D, 5C

SUMMARY OF THE POLISH PROVINCIAL PRESS NO. 400.
7 Jul 65, 40p. JPRS-30966.
Order from CFSTI or ETC: hc42.00, MF$0.50 as TT-65-31464

Consists of full, partial or condensed translations or summaries based on all available Polish newspapers published 22-28 Jun 65 on political, sociological and economic subjects.

TT-65-31466 Field 5D

SOUTH AND EAST ASIA: TRANSLATIONS NO. 86.
7 Jul 65, 21p. JPRS-30968.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-65-31466

Contains translations of 3 selected articles from May/Jun 65 issues of various Indonesian newspapers.

TT-65-31468 Field 5D, 2B, 5F

THE PRAVDA EDITORIALS: TRANSLATIONS NO. 466.
7 Jul 65, 15p. JPRS-30970.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-65-31468

Trans. from Pravda, Moscow (USSR) 2 Jul p1; 3 Jul p1; 5 Jul p1 1965.

TT-65-31471 Field 5D, 5C, 5K

SUMMARY OF THE HUNGARIAN PROVINCIAL PRESS.
8 Jul 65, 32p, 10refs. JPRS-30973.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-65-31471

Consists of full, partial or condensed translations or summaries based on all available Hungarian newspapers published 25-30 May 65 on political, sociological and economic subjects.

TT-65-31559 Field 5D, 5C, 5K

SUMMARY OF THE BULGARIAN PROVINCIAL PRESS NO. 236. 13 Jul 65, 12p. JPRS-31061.
Order from CFSTI r ETC: HC$1.00, MF$0.50
as TT-65-31559

Consists of full, partial or condensed translations based on all available Bulgarian newspapers published 24-31 May 65 on political, sociological and economic subjects.

TT-65-31596 Field 5D

SUMMARY OF THE CZECHOSLOVAK PROVINCIAL PRESS NO. 312 (1-7 May 1965). 15 Jul 65, 13p. JPRS-31098.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-65-31596

Consists of full, partial or condensed translations or summaries based on all available Czechoslovakian provincial newspapers published 1-7 May 1965 on governmental, political, and economic subjects.

TT-65-31740 Field 5D, 5C

Sakov, M.; Kasitskii, I.; Shcherbina, V.; Matveev, V.
COMMUNIST VOL. 42, NO. 9, 1965: SELECTED TRANSLATIONS. 26 Jul 65, 70p. JPRS-31243.
Order from CFSTI or ETC: HC$3.00, MF$0.75
as TT-65-31740

Trans. from Kommunist, Moscow (USSR) v42 n9 p41-76, 94-102 Jun 15 1965.

TT-65-31745 Field 5D

THE PRAVDA EDITORIAL: TRANSLATION NO. 476. 26 Jul 65, 6p. JPRS-31248.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-31745

Trans. from Pravda, Moscow (USSR) 22 Jul p1 1965.

TT-65-31752 Field 5D

SOUTH AND EAST ASIA: TRANSLATIONS NO. 89. 27 Jul 65, 34p. JPRS-31255.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-65-31752

Trans. of 4 selected articles from 1965 issues of French and Indonesian periodicals and newspapers concerning all major aspects of life in the countries of South and East Asia.

TT-65-31770 Field 5D

INTERNATIONAL COMMUNIST DEVELOPMENTS: TRANSLATIONS NO. 741. 28 Jul 65, 62p. JPRS-31273.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-65-31770

Translations of 14 selected articles from 1965 issues of various International Communist newspapers.

TT-65-31781 Field 5D

POLITICAL TRANSLATIONS ON EASTERN EUROPE NO. 176. 28 Jul 65, 24p. JPRS-31284.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-31781

Contains translations of 5 selected articles from various Jun 65 issues of Bulgarian and Polish journals and newspapers.

TT-65-31786 Field 5D, 5C

INDEX OF LA STAMPA AND LA STAMPA SERA NO. 270. 28 Jul 65, 11p. JPRS-31289.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-31786

Consists of full, partial or condensed translations or summaries from the Italian newspapers La Stampa and La Stampa Sera published 12 - 18 Jul 65 on political, sociological and economic subjects.

TT-65-31788 Field 5D

POLITICAL AND SOCIOLOGICAL INFORMATION ON NORTH VIETNAM: TRANSLATIONS NO. 196. 28 Jul 65, 31p. JPRS-31291.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-65-31788

Trans. of 11 selected articles from 1965 issues of North Vietnamese periodicals and newspapers.

TT-65-31800 Field 5D, 5C, 5K

SUMMARY OF THE CZECHOSLOVAK PROVINCIAL PRESS NO. 316 (19-25 Jun 65). 29 Jul 65, 17p. JPRS-31303.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-31800

Consists of full, partial, condensed translations or summaries based on all available Czechoslovakian newspapers pub. 19-25 Jun 65 on the Government, Communist Party, economic information, sociological and other items.

TT-65-31811 Field 5D

INTERNATIONAL COMMUNIST DEVELOPMENTS: TRANSLATIONS NO. 742. 29 Jul 65, 75p. JPRS-31314.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-65-31811

Trans. of 12 selected articles from 1965 issues of Italian, Finnish, Spanish, and Greek periodicals and newspapers.

TT-65-31816 Field 5D

THE PRAVDA EDITORIAL: TRANSLATION NO. 479. 29 Jul 65, 6p. JPRS-31319.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-31816

Trans. from Pravda, Moscow (USSR) 27 Jul p1 1965.

TT-65-31849 Field 5D

INTERNATIONAL COMMUNIST DEVELOPMENTS: TRANSLATIONS NO. 743. 2 Aug 65, 55p. JPRS-31352.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-65-31849

Trans. of 9 selected articles from 1965 issues of Russian, Italian, German, Finnish and Greek periodicals and newspapers.

TT-65-31998 Field 5D

Zhelev, D. G. Iv.; Tatu, M.; Szczepanski, J.
EASTERN EUROPE: POLITICAL TRANSLATIONS NO. 178. 10 Aug 65, 42p. JPRS-31502.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-65-31998

Trans. of 3 selected articles from 1965 issues of Bulgarian, French and Polish periodicals.

TT-65-32009 Field 5D

Hirsch, E.; Heusinger, A.; Kasongo, P.
AFRICA: TRANSLATIONS NO. 236. 11 Aug 65, 29p. JPRS-31513.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-65-32009

Trans. of 6 selected articles from 1965 issues of various foreign language publications on all countries of Africa, except Egypt.

TT-65-32034 Field 5D, 5C

SUMMARY OF THE CZECHOSLOVAK PROVINCIAL PRESS NO. 318 (26 JUNE-2 JULY 1965). 13 Aug 65, 17p. JPRS-31538.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-32034

Consists of full, partial or condensed translations or summaries based on all available Czechoslovakian provincial newspapers published 26 June-2 July 1965 on governmental, political, economic and sociological subjects.

TT-65-32035 Field 5D, 5I

POLITICAL AND SOCIOLOGICAL INFORMATION ON COMMUNIST CHINA: TRANSLATIONS NO. 301. 13 Aug 65, 48p. JPRS-31539.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-65-32035

Trans. of 16 selected articles from 1965 issues of Communist Chinese newspapers.

TT-65-32061 Field 5D

POLITICAL AND SOCIOLOGICAL INFORMATION ON NORTH VIETNAM: TRANSLATIONS NO. 201. 16 Aug 65, 28p. JPRS-31565.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-65-32061

Contains translations of 9 selected articles from Jun/Jul 65 issues of the North Vietnamese newspapers, Nhan Dan and Quan Doi Nhan Dan.

TT-65-32062 Field 5D, 5C

SUMMARY OF THE RUMANIAN PROVINCIAL PRESS NO. 319. 16 Aug 65, 31p. JPRS-31566.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-65-32062

Consists of full, partial or condensed translations or summaries based on all available Rumanian newspapers published 4-11 Jul 65 on political, economic and sociological subjects.

TT-65-32068 Field 5D

AFRICA: TRANSLATIONS NO. 238. 17 Aug 65, 68p. JPRS-31572.
Order from CFSTI or ETC: HC$1.00, MF$0.75 as TT-65-32068

Contains translations selected from various foreign-language sources on all countries of Africa except Egypt.

TT-65-32078 Field 5D, 5C

INDEX OF LA STAMPA AND LA STAMPA SERA NO. 273. 17 Aug 65, 8p. JPRS-31582.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-32078

Consists of full, partial or condensed translations or summaries from the Italian newspapers La Stampa and La Stampa Sera published 2-8 Aug 65 on political, sociological and economic subjects.

TT-65-32172 Field 5D, 5C

AFRICA: TRANSLATIONS NO. 241. 24 Aug 65, 79p. JPRS-31677.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-65-32172

Contains translations selected from various foreign-language sources on all countries of Africa except Egypt.

TT-65-32177 Field 5D

Mao K'uang-sheng
THE KHRUSHCHEV REVISIONISTS' FEAR OF CONTRADICTIONS. Hung-Ch'i (Red Flag) Translations No. 8, 1965. 24 Aug 65, 13p, 26refs. JPRS-31682.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-32177

Trans. of Hung Ch'i (Chinese Peoples Republic) n8 p34-41 1965.

TT-65-32183 Field 5D, 5C, 2B

CUBA: TRANSLATIONS NO. 296. 24 Aug 65, 32p. JPRS-31688.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-65-32183

Translation of 9 selected articles from 1965 issues of various Cuban newspapers and journals.

TT-65-32184 Field 5D

INDEX OF LA STAMPA AND LA STAMPA SERA NO. 274. 24 Aug 65, 8p. JPRS-31689.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-32184

Consist of full, partial or condensed translations or summaries from the Italian newspapers La Stampa and La Stampa Sera published 9-15 Aug 65 on political, sociological and economic subjects.

TT-65-32197 Field 5D, 5C

EAST EUROPEAN AGRICULTURE, FORESTRY AND FOOD INDUSTRIES: TRANSLATIONS NO. 385. 25 Aug 65, 24p. JPRS-31702.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-32197

Contains translations of 3 selected articles from Jul 65 issues of Yugoslavian periodical, Sluzbeni List SFRJ.

TT-65-32198 Field 5D, 5C

AFRICA: TRANSLATIONS NO. 242. 25 Aug 65, 35p. JPRS-31703.

Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-65-32198

Contains translations selected from various foreign-language sources on allcountries of Africa except Egypt.

TT-65-32280 Field 5D

AFRICA: TRANSLATIONS NO. 244. 31 Aug 65, 60p. JPRS-31785.
Order from CFSTI or ETC: HC$3.00, MF$0.50
as TT-65-32280

Contains translations selected from various foreign-language sources on all countries of Africa except Egypt.

TT-65-32292 Field 5D, 5C

SUMMARY OF THE POLISH PROVINCIAL PRESS NO. 408. 1 Sep 65, 32p. JPRS-31797.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-65-32292

Consists of full, partical or condensed translations or summaries based on all available Polish newspapers published 17-23 Aug 65 on political, sociological and economic subjects.

TT-65-32294 Field 5D

INDEX OF LA STAMPA AND LA STAMPA SERA NO. 275. 1 Sept 65, 8p. JPRS-31799.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-65-32294

Consists of full, partial or condensed translations or summaries from the Italian newspapers La Stampa and La Stampa Sera published 16 - 22 Aug 65 on political, sociological and economic subjects.

TT-65-32296 Field 5D

POLITICAL AND SOCIOLOGICAL INFORMATION ON COMMUNIST CHINA: TRANSLATIONS NO. 305. 1 Sep 65, 33p. JPRS-31801.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-65-32296

Translations of 5 selected articles from 1965 issues of various Communist Chinese newspapers.

TT-65-62943 Field 5D, 15G

AGAINST WAR, FOR PEACE. Tr. by Charles T. Ostertag, Jr. Jun 65, 6p. ABL-Trans-1397; AD-619 337.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-619 337

Trans. of Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) v41 n7 p3-5 1964.

F. Humanities

TT-65-32206 Field 5F

Palvanova, B.; Ikramov, K.
FORUM OF ATHEISTS OF CENTRAL ASIA AND EQUAL RIGHTS FOR WOMEN IN TURKMENIYA AND PROMOTION OF ATHEISM AMONG UZBEK MOSLEMS. Articles on Atheism in Soviet Central Asia. 25 Aug 65, 25p. JPRS-31711.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-65-32206

Trans. of 3 selected articles from 1964 issues of Russian periodicals.

G. Linguistics

TT-64-41496 Field 5G, 5C, 13H

Yong Mok Kim, comp.; Chi Eun Kim.
STANDARD TRANSLATIONS OF NORTH KOREAN COMMUNIST TERMS: JPRS HANDBOOK. 2 Sep 64, 113p. JPRS-26237.
Order from CFSTI or ETC: HC$4.00, MF$0.75
as TT-64-41496

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

TT-65-30479 Field 5G, 5B

Marchuk, Yu. N.; Khodakova, L. A.; Leikina, B. M.
STUDIES IN MACHINE TRANSLATION AND AUTOMATION OF INFORMATION PROCESSING. Foreign Developments in Machine Translation and Information Processing No. 164. 10 Mar 65, 37p, 9refs. JPRS-29062.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-65-30479

Trans. of Nauchno-Tekhnicheskaya Informatsiya (USSR) n9 p35-8; n11 p24-5, 35-40 1964.

TT-65-30948 Field 5G, 5B

FOREIGN DEVELOPMENTS IN MACHINE TRANSLATION AND INFORMATION PROCESSING NO. 169. 10 May 65, 20p. JPRS-29994.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-65-30948

Trans. of the preface and table of contents of 3 1964 issues of various Japanese publications.

H. Man-machine relations

TT-65-31795 Field 5H

Ilin, V. A.
LARGE REMOTE CONTROL SYSTEMS WITH MULTISTEP CONTROL. 29 Jul 65, 9p. JPRS-31298.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-65-31795

Trans. of Akademiya Nauk SSSR. Vestnik, v35 n5 p72-6 1965.

I. Personnel selection, training and evaluation

TT-65-12118 Field 5I

Meyer, E.
THE CHANGE OF INSTRUCTIONAL STYLE AND ITS

EFFECTS ON LESSON PREPARATION (Der Wandel des Unterrichtsstils und Seine Auswirkungen auf die Unterrichtsvorbereitung). 10p.
Order from SLA: $1.10 as TT-65-12118

Trans. of Unsere Volksschule (West Germany) v14 p109-13 1963.

TT-65-12596 Field 5I

Faverge, J. M.
JOB ANALYSIS (L'Analyse du Travail). 16p.
Order from SLA: $1.60 as TT-65-12596

Trans. of Revue de Psychologie Appliquee (France) v4 p55-63 1954.

TT-65-31056 Field 5I

DOCTORATES OF SCIENCE IN 1963 AND 1964. 24 May 65, 67p, 7refs. JPRS-30204.
Order from CFSTI or ETC: HC$3.00, MF$0.50 as TT-65-31056

Trans. of Jugoslovenski Pregled, v8 p23-5, 28-38 Jan 1964.

TT-65-31432 Field 5I

Sosnov, O. I.; Chunosov, A. N.; Gersht, E. P.
THEORY AND PRACTICE OF PROGRAMMED INSTRUCTION. 3 Jul 65, 19p, 5refs. JPRS-30933.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-31432

Trans. of Vestnik Vysshei Shkoly (USSR) v23 n1 p35-45 1965.

TT-65-31488 Field 5I

QUALIFICATIONS OF SCIENCE CANDIDATES. 9 Jul 65, 7p. JPRS-30990.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-31488

Trans. of Magyar Tudomanyos Akademia. Akademiai Kozlony (Hungary) v14 n6 p53-54 1965.

TT-65-31735 Field 5I, 5C, 6D

Gnedenko, B. V.; Petrova, L. G.
CYBERNETIC PRINCIPLES APPLIED IN EDUCATION AND ECONOMICS: USING PROGRESSIVE IDEAS AND METHODS IN TEACHING (AND) PROBLEMS OF THE MECHANIZATION OF MANAGEMENT WORK. 26 Jul 65, 18p. JPRS-31238.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-31735

Trans. of Vestnik Vysshei Shkoly (USSR) v23 n5 p13-25, 87-91 1965.

TT-65-31739 Field 5I, 15G

POLITICAL AND SOCIOLOGICAL INFORMATION ON NORTH VIETNAM: TRANSLATIONS NO. 195. 26 Jul 65, 17p. JPRS-31242.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-31739

Translations of 6 selected articles from Jun 65 issues of the North Vietnamese newspapers, Quan Doi Nhan Dan.

TT-65-31787 Field 5I, 5K

SOCIOLOGICAL TRANSLATIONS ON EASTERN EUROPE NO. 305. 28 Jul 65, 25p. JPRS-31290.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-31787

Contains translations of 4 selected articles from May/Jun 65 issues of various Polish and Rumanian periodicals.

TT-65-31798 Field 5I

Kanimetov, A. K.; Solomakhina, N. I.
IMPROVING HIGHER SCIENTIFIC EDUCATION IN THE SOVIET UNION. 29 Jul 65, 14p. JPRS-31301.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-31798

Trans. of Vestnik Vysshei Shkoly (USSR) v23 n3 p37-41, 46-7 1965.

TT-65-31814 Field 5I

Makara, N. P.
COOPERATION BETWEEN UNIVERSITIES IN THE SOVIET UNION AND HUNGARY. 29 Jul 65, 6p. JPRS-31317.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-31814

Trans. of Vestnik Vysshei Shkoly (USSR) v23 n4 p90-1 1965.

TT-65-31827 Field 5I

NEWS OF SOVIET SCIENTIFIC EDUCATION. 30 Jul 65, 13p. JPRS-31330.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-31827

Translations of 3 selected articles from 1965 issues of various Russian periodicals.

TT-65-32201 Field 5I

Piovarci, M.; Hulman, K.
BIOGRAPHIC INFORMATION ON LEADERS OF CZECHOSLOVAK INDUSTRY. 25 Aug 65, 13p. JPRS-31076.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-32201

Trans. from Pravda, Moscow (USSR) 21 Jul p1; 26 Jul p1; 28 Jul p1/6; 30 Jul p1/4 1965.

TT-65-32205 Field 5I, 6E

SOCIOLOGICAL TRANSLATIONS ON EASTERN EUROPE NO. 311. 25 Aug 65, 85p. JPRS-31710.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-65-32205

Translations of 3 selected articles from Jul 65 issues of various Bulgarian and Rumanian newspapers and periodicals.

TT-65-32273 Field 5I

Song Jae-ch'ol; Kim Hak-yun.
POLITICAL AND SOCIOLOGICAL INFORMATION ON NORTH KOREA: TRANSLATIONS NO. 104. 31 Aug 65, 29p. JPRS-31778.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-65-32273

Trans. of 5 selected articles from 1965 issues of Korean periodicals and newspapers.

TT-65-32290 Field 5I

THE PRAVDA EDITORIALS: TRANSLATIONS NO. 497. 31 Aug 65, 14p. JPRS-31795.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-32290

Trans. from Pravda, Moscow (USSR) 26-8 Aug p1 1965.

TT-65-62920 Field 5I

MAN TRAINING FOR THE COSMOS. 28 Jul 65, 12p. FTD-TT-65-455; AD-619 315.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-619 315

Unedited rough draft trans. of Sovetskii Voin (USSR) v47 n6 p10-2, 37-40 1965.
Another trans. is available from CFSTI or ETC, HC$1.00, MF$0.50 as TT-65-31354, JPRS-30817.

J. Psychology (Individual and group behavior)

TT-65-12119 Field 5J

Bareiss, G.; Hruschka, E.; Rheinwold, H.
PERSONALITY FACTORS OF DEMONSTRATION LEADERS Die Persoenlichkeit des Beispielsbetriebsleiters). 15p.
Order from SLA: $1.60 as TT-65-12119

Trans. of Landwirtschaftliche Hochschule, Hohenheim. Arbeiten (West Germany) v12 p109-21 1962.

TT-65-12555 Field 5J

Friedmann, G.
A CRITIQUE OF THE HAWTHORNE-STUDY (Die Hawthorne-Untersuchung--Kritik). 12p.
Order from SLA: $1.60 as TT-65-12555

Trans. from mono. der Mensch in der Mechanisierten Produktion 1952 p326-31.
Man in the Mechanized Production.

K. Sociology

TT-65-31541 Field 5K

SOCIOLOGICAL TRANSLATIONS ON EASTERN EUROPE NO. 301. 12 Jul 65, 92p, 10refs. JPRS-31043.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-65-31541

Contains translations of 7 selected articles from 1965 issues of various Bulgarian, Rumanian and Yugoslavian periodicals. Available copy will not permit fully legible reproduction.

TT-65-31746 Field 5K

SOCIOLOGICAL TRANSLATIONS ON EASTERN EUROPE NO. 304. 27 Jul 65, 72p. JPRS-31249.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-65-31746

Trans. of 3 selected articles from 1965 issues of Czechoslovakian, Rumanian and Yugoslavian periodicals.

TT-65-32071 Field 5K

CUBA: TRANSLATIONS NO. 294. 17 Aug 65, 16p. JPRS-31575.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-32071

Translations of 5 selected articles from Jun/Jul 65 issues of the Cuban periodical, Gaceta Official de la Republica de Cuba.

06 BIOLOGICAL AND MEDICAL SCIENCES

A. Biochemistry

TT-65-11741 Field 6A

Jezdinsky, J.; Stojan, B.; Queisnerova, M.
THE EXISTENCE OF AN ANTI-INFLAMMATORY FACTOR IN THE POSTERIOR PITUITARY LOBE (Nachweis der Existenz eines im Hypophysenhinterlappen Befindlichen Entzuendungshemmenden Faktors). 21p, 19refs.
Order from SLA:$2.60 as TT-65-11741

Trans. of Archives Internationales de Pharmacodynamie et de Therapie (Belgium) v146 n3/4 p561-78 1963.

TT-65-11749 Field 6A

Albrecht, W.
PHOSPHATASE ACTIVITY IN THE AORTIC WALL OF THE RAT AFTER GONADECTOMY, HYPOPHYSECTOMY, ADRENALECTOMY AND IN EXPERIMENTAL RENAL HYPERTENSION (Die Aktivitaet der Phosphatasen in der Aortenwand der Ratte nach Gonadektomie, Hypophysektomie, Adrenalektomie und bei Experimenteller Renaler Hypertonie). 9p, (refs omitted).
Order from SLA: $1.10 as TT-65-11749

Trans. of Zeitschrift fuer Naturforschung (West Germany) v18b n11 p871-5 1963.

TT-65-12034 Field 6A

PROCESS OF THE PREPARATION OF 5'-PURINE NUCLEOTIDES BY A PROCESS OF FERMENTATION. 17p.
Order from SLA: $1.60 as TT-65-12034

Trans. of Patent (Belgium) 646 342.

Patented by Kyowa Hakko Kogyo Co., Ltd., Tokyo, Japan, n.d. (Priority: Japan, patent publication Showa 38-17,615, 10 Apr 63 and Showa 38-47,841, 10 Sep 63).

TT-65-12627 Field 6A

Corbaz, R.; Ettlinger, L.; Gaeumann, E.; Keller, W.; Kradolfer, F.
METABOLIC PRODUCTS FROM ACTINOMYCETES. REPORT NO. 1. NARBOMYCIN (Stoffwechselprodukte von Actinomyceten. 1. Mitteilung. Narbomycin). 16p, 18refs.
Order from SLA: $1.60 as TT-65-12627

Trans. of Helvetica Chimica Acta (Switzerland) v38 n4 p935-42 1955.

TT-65-27681 Field 6A

Jurecka, B.
EFFETS DU PpH SUR L'HYDROLYSE DES PROTEINES DU SANG DE BOEUF PAR LES ENZYMES PANCREATIQUES. COMPOSITION EN PEPTIDES ET EN ACIDES AMINES. 8p.
CNRS-XXVII 266.
Order from ETC: $1.10 as TT-65-27681

Trans. in French of Acta Poloniae Pharmaceutica, v21 n1 p85-91 1964.
Also available from CNRS.
Another trans. is available in English from CFSTI HC$1.25 in TT-64-11412/1, 1964.

TT-65-30286 Field 6A, 6O, 6E, 6C, 8G, 6L, 2D, 1B

COMMUNIST CHINA'S SCIENCE AND TECHNOLOGY: TRANSLATIONS NO. 144. 5 Feb 65, 90p, 71refs.
JPRS-28653.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-65-30286

Trans. of K'o Hsueh T'ung Pao (Chinese People's Republic) n11 p943-62, 1007-20, 1026-31, 1036 1964 Hang K'ung Chih Shih (Chinese People's Republic) n10 p5-7 1964.
Available copy will not permit fully legible reproduction.

TT-65-30591 Field 6A, 6P, 6R, 20A

BIOLOGY AND ITS ALLIES (Biologiya i Ee Soyuzniki). 25 Mar 65, 82p. JPRS-29292.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-65-30591

Trans. of Novoe v Zhizni, Nauke, Tekhnike. Seriya 8: Biologiya i Meditsina (USSR) n17/18 p1-80 1964.
For table of contents, see the 'Translated Tables of Contents' section of this issue.
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TT-65-31394 Field 6A, 6C, 6R, 6E

Raykov, I. B.; Kesler, G. N.; Ignatova, T. N.; Fridlyanskaya, I. I.
SOME CYTOLOGICAL AND GENETIC STUDIES. 1 Jul 65, 17p. JPRS-30895.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-31394

Trans. of Tsitologiya (USSR) v7 n2 p274-6, 281-4 Mar/Apr 1965.

TT-65-62128 Field 6A

Oparin, A. I.; Gelman, N. S.; Zhukova, I. G.
THE STATE AND ACTIVITY OF INVERTASE AND MALTASE IN CERTAIN SPECIES OF YEASTS OF THE SACCHAROMYCES FAMILY. May 65, 12p, 14refs.
NIH-2-15-65.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-62128

Trans. of Biokhimiya (USSR) v20 n5 p571-5 1955.

C. Biology

TT-64-41908 Field 6C, 6P, 2C

T'ung Ti-chou; Ch'en Ch'i-yuan.
COMMUNIST CHINA'S SCIENCE AND TECHNOLOGY: TRANSLATIONS NO. 112. 1 Oct 64, 25p. JPRS-26650.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-64-41908

Trans. of K'o Hsueh T'ung Pao (Chinese People's Republic) n8 p667-74 1964 and from Kuang Ming Jih Pao (Chinese People's Republic) 30 Aug p2 1964.

TT-65-12360 Field 6C

Kahmann, H.; Frisch, O. von.
ON THE ECOLOGY OF THE COMMON DORMOUSE (MUSCARDINUS AVELLANARIUS) IN THE ALPS (Zur Oekologie der Haselmaus (Muscardinus Avelianarius) in den Alpen). 27p, (figs omitted) 13refs.
Order from SLA: $2.60 as TT-65-12360

Trans. of Zoologische Jahrbuecher (Germany) v78 p531-46 1950.

TT-65-12366 Field 6C

Ciurea, I.
THE PARASITIC WORMS OF MAN, MAMMALS AND OF BIRDS COMING FROM FISH OF THE DANUBE AND THE BLACK SEA. FIRST PAPER. TREMATODES, FAMILY HETEROPHYIDAE ODHNER, WITH AN ANALYTICAL CLASSIFICATION OF THE TREMATODES OF THE SUPERFAMILY HETEROPHYOIDEA FAUST (Las Vers Parasites de l'Homme, des Mammiferes et des Oiseaux Provenant des Poissons du Danube et de la mer Noire. Premier Memoire. Trematodes, Famille Heterophyidae Odhner, avec un Essai de Classification des Trematodes de la Superfamille Heterophyoidea Faust). 150p, (tables refs omitted).
Order from SLA: $11.00 as TT-65-12366

Trans. of Roumaines de Pathologie Experimentale et de Microbiologie (France) v6 n1/2 p5-134 1933.

TT-65-12590 Field 6C

Hennig, W.
THE LARVAL FORMS OF DIPTERA. PART I. 74p.
Order from SLA: $7.60 as TT-65-12590

Trans. from mono. die Larvenformen der Dipteren, Berlin, 1948 p132-81.
Partial trans.

TT-65-12603 Field 6C

Schilberszky, K.
COMPREHENSIVE BIOLCGY OF THE POTATO WART.

119p, 41refs.
Order from SLA: $9.60 as TT-65-12603

Trans. of mono. die Gesamtbiologie des Kartoffelkrebses Freising/Munich, 1930.

TT-65-12686 Field 6C

Zambettakis, C.
FUSARIUM OXYSPORIUM SCHL. F. VASINFECTUM (ATK.) S. AND H. WILT OF COTTON (Fusarium Oxysporium Schl. f. Vasinfectum (Atk.) S. et H. Fletrissemen du Cotonnier). 11p, 24refs.
Order from SLA: $1.60 as TT-65-12686

Trans. of Fiches de Phytopathologie Tropicale. Suppl. Colonial de la Revue de Mycologie (France) v149 p1-7 1956.

TT-65-12689 Field 6C

Kandler, O.; Fink, E.
ON THE INFLUENCE OF 2,3,5-TRIIODOBENZOIC ACID ON THE METABOLISM OF CORN ROOTS CULTURED IN VITRO (Ueber den Einfluss von 2,3,5-Trijodbenzoesaeure auf den Stoffwechsel in Vitro Kultivierter Maiswurzeln). 27p, 23refs.
Order from SLA: $2.60 as TT-65-12689

Trans. of Flora oder Allgemeine Botanische Zeitung (East Germany) v142 p295-306 1955.

TT-65-12765 Field 6C

Nilov, G. I.
A METHOD OF STABILIZING ASCORBIC ACID IN HOMOGENIZED PLANT TISSUE. 1p.
Order from SLA: $1.10 as TT-65-12765

Trans. of Patent (USSR) 148 398.
Patent filed 25 Aug 61.

TT-65-27665 Field 6C

Yakushkina, N. I.
INFLUENCE DES REGULATEURS DE LA CROISSANCE SUR L'UTILISATION DES PRODUITS D'ASSIMILATION PROVENANT DE FEUILLES DE DIFFERENTS ETAGES. 8p.
CNRS-IV 69.
Order from ETC: $1.10 as TT-65-27665

Trans. in French of Fiziologiya Rastenii (USSR) v9 n1 p111-4 1962.
Also available from CNRS.
See also 'Translated or Abstracted Publications.' section of this issue.

TT-65-27705 Field 6C

Semenova, L. M.
CARACTERES ADAPTIFS DE LA CUTICULE DES CRUSTACES ET SES PARTICULARITES MORPHOLOGIQUES DANS LA CLASSE DES ARTHROPODES (Adaptivnye Cherty Kutikuly Rakoobraznykh i Ee Morfologicheskie Osobennosti v Ryadu Chlenistonogikh). 8p. (foreign text included) 15refs.
CNRS-III 345.
Order from ETC: $1.10 as TT-65-27705

Trans. in French of Zoologicheskii Zhurnal (USSR) v42 n8 p1155-60 1963.
Also available from CNRS.

TT-65-30506 Field 6C, 2D, 6O, 6A, 6P

Yu Wei-chiang; Chai Pao-chuan; Chang Shih-jung; Chu Peng-shou.
COMMUNIST CHINA'S SCIENCE AND TECHNOLOGY: TRANSLATIONS NO. 159. 15 Mar 65, 26p, 19refs.
JPRS-29107.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-30506

Trans. of Chung Kuo Nung Yeh K'o Hsueh (Chinese People's Republic) n5 p31-3, 48-50 1964. K'o Hsueh T'ung Pao (Chinese People's Republic) n1 p82-5 1965.
Available copy will not permit fully legible reproduction.

TT-65-30530 Field 6C, 6M, 6F, 2D

Kuo Chung-chien; Chu Shao-lin; Hsin Chieh-liu; Wu Kung-hui; Liu Chih-ming.
OCCURRENCE AND CONTROL OF FUSARIUM OXYSPORUM F. VASINFECTUM (ATK.) SNYDER ET HANSEN IN COTTON IN KIANGSU PROVINCE; ADVANCEMENT IN INSECT PATHOGENESIS; EFFECT OF DIFFERENT PLANTING TIMES ON GROWTH OF PADDY RICE VARIETIES AND WEED CONTROL WHEN MECHANIZED DIRECT PLANTING METHOD USED. 17 Mar 65, 42p. JPRS-29165.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-65-30530

Trans. of Chung Kuo Nung Yeh K'o Hsueh (Chinese People's Republic) n4 p22-41 Apr 1964.

TT-65-30648 Field 6C, 6E

Chen Tien-chi; Liu Yueh-ying.
REVOLUTIONIZED MEDICAL CORPS TREAT SICK WORKERS AND FARMERS AND CHINA'S LAMPROTULA AND ITS ECONOMIC VALUES. Communist China's Science and Technology: Translations No. 166. 5 Apr 65, 27p.
JPRS-29421.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-65-30648

Trans. of Sheng Wu Hsueh T'ung Pao (Chinese People's Republic) n1 p16-23 1965 and from Kuang Ming Jih Pao (Chinese People's Republic) 15 Mar p2 1965.

TT-65-30795 Field 6C, 5J, 6E, 6P

VESTNIK OF USSR ACADEMY OF MEDICAL SCIENCES. 22 Apr 65, 129p, 99refs. JPRS-29709.
Order from CFSTI or ETC: HC$4.00, MF$1.00 as TT-65-30795

Trans. of Akademiya Meditsinskikh Nauk SSSR, Vestnik, v20 n1 p84 1965.
For table of contents, see the 'Translated Tables of Contents' section of this issue.

TT-65-30934 Field 6C

Peive, Ya. V.; Volpin, M. E.
STUDIES ON NITROGEN NUTRITION OF PLANTS AND NITROGEN FIXATION: BIOCHEMISTRY OF TRACE ELEMENTS AND THE PROBLEM OF NITROGEN NUTRITION OF PLANTS AND PROBLEMS OF THE CHEMICAL FIXATION OF MOLECULAR NITROGEN. 7 May 65, 24p, 14refs. JPRS-29972.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-30934

Trans. of Akademiya Nauk SSSR. Vestnik, v35 n1 p42-50 1965.

TT-65-30995 Field 6C, 6E, 6I, 5I, 6M

CANDIDATES FOR MEMBERSHIP IN THE ACADEMY OF MEDICAL SCIENCES USSR. 17 May 65, 45p. JPRS-30090.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-65-30995

Trans. from Meditsinskaya Gazeta (USSR) v28, 13, 16 2? Apr 1965.

TT-65-31496 Field 6C

Semenov, N. V.
ELIMINATION OF HYPOTHERMIA IN DOGS BY MEANS OF HIGH FREQUENCY CURRENTS. 9 Jul 65, 6p, 11refs. JPRS-30998.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-65-31496

Trans. of Byulleten Eksperimentalnoi Biologii i Meditsiny (USSR) v59 n4 p17-9 1965.
See also 'Translated or Abstracted Publications,' section of this issue.

TT-65-31807 Field 6C

Dubinin, N.
NEWS OF SOVIET GENETICS. 29 Jul 65, 8p. JPRS-31310.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-65-31807

Trans. from Meditsinskaya Gazeta (USSR) v28 p4 Jun 29, p3 Jun 25 1965.

TT-65-32208 Field 6C

Mazokhin-Porshnyakov, G. A.
AN EXPERIMENT ON COLOR PERCEPTION IN BEES. 25 Aug 65, 12p. JPRS-31713.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-65-32208

Trans. of Priroda (USSR) v54 n6 p58-62 1965.

TT-65-32229 Field 6C

Kogan, A. B.; Zaguskin, S. L.
RELATIONSHIP BETWEEN ELECTROPHYSIOLOGICAL AND CYTOCHEMICAL INDICATORS IN CRUSTACEA NEURON ACTIVITY. 26 Aug 65, 19p, 30refs. JPRS-31734.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-65-32229

Trans. of Zhurnal Evolyutsionnoi Biokhimii i Fiziologii (USSR) v1 n1 p59-66 1965.

D. Bionics

TT-64-51859 Field 6D, 5J

Pushkin, V.
THE HEURISTIC ACTIVITY OF MAN. 3 Dec 64, 14p. JPRS-27672.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-64-51859

Trans. of Nauka i Zhizn (USSR) v31 n10 p35-40 1964.

TT-65-30496 Field 6D

Pylkevych, L.
A NEW BRANCH OF SCIENCE -- BIONICS. 11 Mar 65, 12p. JPRS-29090; N65-18408.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-65-30496

Trans. of Komunist Ukrainy (USSR) v39 n11 p47-54 1964.

TT-65-31055 Field 6D

Kogan, A.
RELIABILITY OF AN ELECTRONIC BRAIN. 24 May 65, 7p. JPRS-30203.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-31055

Trans. from Izvestiya (USSR) 28 Apr p4 1965.

TT-65-311 6 Field 6D, 9D, 15G, 5H

Sinyak, V. S.
CYBERNETICS IN MILITARY AFFAIRS. 31 May 65, 38p, 5refs. JPRS-30333.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-65-31116

Trans. from mono. Atom i Oruzhie, Moscow, 1964 p111-54.

TT-65-31324 Field 6D, 9B

Aksenov, I. Ya.
CONGRESS ON CYBERNETICS IN BELGIUM. 23 Jun 65, 7p. JPRS-30763.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-31234

Trans. of Akademiya Nauk SSSR. Vestnik, v35 n4 p65-8 1965.

TT-65-31826 Field 6D

INTERVIEW WITH PROFESSOR W. ROSS ASHBY, BRITISH CYBERNETICIST. 30 Jul 65, 8p. JPRS-31329.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-65-31826

Trans. of Voprosy Filosofii (USSR) v19 n1 p154-7 1965.

TT-65-32115 Field 6D

THE VALUE OF BIONICS: CAN THE COW TEACH THE ENGINEER: AND EVEN A CALF CAN TEACH AN ENGINEER. Views for and Against Bionics. 19 Aug 65, 12p. JPRS-31620.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-65-32115

Trans. of Izobretatel i Ratsionalizator (USSR) n1 p28-31 1965.

TT-65-32207 Field 6D

Vishnevskii, A. A.
CYBERNETICS IN MEDICINE. 25 Aug 65, 16p. JPRS-31712.

Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-65-32207

Trans. of Priroda (USSR) v54 n6 p24-34 1965.

E. Clinical medicine

TT-64-51849 Field 6E

ACHIEVEMENTS IN RUMANIAN ENDOCRINOLOGY.
2 Dec 64, 6p. JPRS-27649.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-64-51849

Trans. of Academia Republicii Populare Romine. Institutul de Endocrinologie. Studii si Cercetari de Endocrinologie (Rumania) v15 n4 p289-92 1964.

TT-64-51888 Field 6E, 6I

Zagrebin, A. M.; Meshchenko, V. M.; Guseva, I. S.
PUBLIC HEALTH IN THE RUSSIAN FEDERATION.
8 Dec 64, 19p. JPRS-27739.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-64-51888

Trans. of Zdravookhranenie Rossiiskoi Federatsii (USSR) v8 n10 p3-13 1964.
For table of contents, see the 'Translated Tables of Contents' section of this issue.

TT-64-51967 Field 6E

FIVE OTORHINOLARYNGOLOGISTS RECEIVE LENIN PRIZE. 18 Dec 64, 9p. JPRS-27904.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-64-51967

Trans. of Vestnik Oto-Rino-Laringologii (USSR) v26 n5 p3-6 1964.

TT-65-11751 Field 6E

Koptelova, E. I.; Pokrovskii, V. I.
EXPERIMENTAL MENINGITIS OF RABBITS CAUSED BY L-FORMS OF STREPTOCOCCI. 6p, 6refs.
Order from SLA: $1.10 as TT-65-11751

Trans. of Zhurnal Mikrobiologii, Epidemiologii i Immunnobiologii (USSR) v41 n10 p90-3 1964.
See also 'Translated or Abstracted Publications,' section of this issue.

TT-65-11786 Field 6E

Hess, R.; Staeubli, W.
COMPARATIVE HISTOCHEMICAL AND ELECTRON MICROSCOPE INVESTIGATIONS OF CHANGES IN THE AORTA CAUSED BY EXPERIMENTAL LIPOIDOSIS (Vergleichende Histochemische und Elektronenmikroskopische Untersuchungen von Aortaveraenderungen bei Experimenteller Lipoidose). 5p, 9refs.
Order from SLA: $1.10 as TT-65-11786

Trans. of Deutsche Gesellschaft fuer Pathologie. Verhandlungen (West Germany) v47 p369-72 1963.

TT-65-12341 Field 6E

Nessel, E.
ARTIFICIAL LARYNX, INDICATION, TYPES, COMPARATIVE ACOUSTIC STUDIES (Kuenstliche Kehlkoepfe, Indikation, Typen, Vergleichend-akustische Untersuchungen). 17p, (foreign text included).
Order from SLA: $1.60 as TT-65-12341

Trans. of HNO. Wegweiser fuer die Fachaerztliche Praxis (Germany) v11 p249-53 1963.

TT-65-12819 Field 6E

Sevcik, V.
SEARCH AND IDENTIFICATION OF ANTITUMORAL ANTIBIOTICS FROM ACTINOMYCETES. 14p, 4refs.
Order from SLA: $1.60 as TT-65-12819

Trans. of Puti i Metody Izyskaniya Protivorakhovykh Antibiotikov, Simpozium 6. Trudy, Moscow, p76-87 1959.
Methods for Searing for Antitumor Antibiotics.

TT-65-12837 Field 6E

Adlercreutz, H.
ICTERUS CAUSED BY STEROIDS. 4p.
Order from SLA: $1.10 as TT-65-12837

Trans. of Nordisk Medicin (Sweden) v72 n34 p1004-5 1964.

TT-65-12900 Field 6E

Kosaki, H.; Nakatani, H.; Inoue, Y.
STUDIES ON THE MEASUREMENT OF OCULAR RIGIDITY USING A CLOSED MANOMETER SYSTEM. 12p, 9refs.
Order from SLA: $1.60 as TT-65-12900

Trans. of Nippon Ganka Kiyo (Japan) v15 n5 p190-4 1964.

TT-65-27650 Field 6E

Grebennik, L. I.; Eroshina, N. V.
EFFETS COMPARATIFS DE L'ISONIAZIDE, DU PHTIVAZIDE ET DU METAZIDE SUR L'EXCRETION DE LA VITAMINE B6 CHEZ LES TUBERCULEUX. 7p, 19refs.
CNRS-XXI 646.
Order from ETC: $1.10 as TT-65-27650

Trans. in French of Problemy Tuberkuleza (USSR) v41 n4 p57-60 1963.
Also available from CNRS.

TT-65-27664 Field 6E

Leoshchinskii, A. F.; Zuza, Z. I.
LE ROLE DE L'ETAT FONCTIONEL DU CORTEX SURRENAL DANS LA PATHOGENESE DE L'ARTHRITE EXPERIMENTALE ET DANS LA PHARMACODYNAMIE DES MEDICAMENTS ANTIRHUMATISMAUX. 11p, 25refs.
CNRS-XVI 487.
Order from ETC: $1.60 as TT-65-27664

Trans. in French of Problemy Endokrinologii i Gormonoterapii (USSR) v9 n5 p25-9 1963.
Also available from CNRS.

TT-65-27704 Field 6E

Voronitskaya, N. E.; Zelenin, A. V.; Lyapunova, E. A.; Meisel', M. N.
ETUDE PAR MICROSCOPIE A LUMINESCENCE DES

CELLULES NORMALES ET CANCEREUSES, COLOREES PAR FLUORESCENCE AVEC L'ORANGE D'ACRIDINE A DIFFERENTS pH {Lyuminestsentnomikroskopicheskoe Issledovanie Normal'nykh i Opukholevykh Kletok, Fluorokhromirovannykh Akridinovym Oranzhevym pri Razlichnykh Znacheniyakh). 5p, (foreign text included) 9refs.
CNRS-III 346.
Order from ETC: $1.10 as TT-65-27704

Trans. in French of Akademiya Nauk SSSR. Doklady, v152 n3 p724-6 1963.
Also available from CNRS.
Another trans. is available in English from CFSTI or ETC as TT-64-21600, JPRS: 23298, 15 Feb 64, 5p.

TT-65-30200 Field 6E, 6O, 6P, 6M

VESTNIK OF USSR ACADEMY OF MEDICAL SCIENCES.
26 Jan 65, 169p. JPRS-28464.
Order from CFSTI or ETC: HC$5.00, MF$1.00
as TT-65-30200

Trans. of Akademiya Meditsinskikh Nauk SSSR.
Vestnik, v19 n9 p3-119 1964.
For table of contents, see the 'Translated Tables of Contents' section of this issue.
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TT-65-30232 Field 6E, 6I

Kalyu, P. I.; Lisitsin, Yu. P.; Sadvokasova, E. A.; Smulevich, B. Ya.; Smirnov, E. I.
PROBLEMS OF THE THEORY AND PRACTIVE OF PUBLIC HEALTH IN THE SOVIET UNION. 29 Jan 65, 57p.
JPRS-28546.
Order from CFSTI or ETC: HC$3.00, MF$0.75
as TT-65-30232

Trans. of Sovetskoe Zdravookhranenie (USSR) v23 n12 p3-33, 40-3 1964.
For table of contents, see the 'Translated Tables of Contents' section of this issue.

TT-65-30335 Field 6E, 6A, 6C, 6R, 6O, 6M

VESTNIK OF USSR ACADEMY OF MEDICAL SCIENCES.
16 Feb 65, 143p, 266refs. JPRS-28767.
Order from CFSTI or ETC: HC$4.00, MF$1.00
as TT-65-30335

Trans. of Akademiya Meditsinskikh Nauk SSSR. Vestnik, v19 n11 p3-96 1964.
For table of contents, see the 'Translated Tables of Contents' section of this issue.
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TT-65-30338 Field 6E

NEWS ON MEDICAL CARE AND HEALTH DEVELOPMENTS IN THE USSR. 16 Feb 65, 31p. JPRS-28771.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-65-30338

Trans. from Meditsinskaya Gazeta (USSR) v27 8 Sep p2, 11 Sep p1, 3, 6 Oct p1, 2 1964.

TT-65-30651 Field 6E

Kochergin, I. G.
CONTEMPORARY PROBLEMS OF MEDICINE: RESULTS AND PROSPECTS. 5 Apr 65, 7p. JPRS-29432.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-65-30651

Trans. of mono. Sovremennye Problemy Meditsiny, Moscow, 1964 p22-6.

TT-65-30896 Field 6E, 5A

THREE SOVIET RESEARCH ORGANIZATIONS. 4 May 65, 17p. JPRS-29906.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-65-30896

Translations of 3 selected articles from 1964 issue of Russian newspaper, Meditsinskaya gazeta.

TT-65-31100 Field 6E

VESTNIK OF THE USSR ACADEMY OF MEDICAL SCIENCES, VOL. 20, NO. 2, 1965. 27 May 65, 159p, 351refs. JPRS-30228.
Order from CFSTI or ETC: HC$5.00, MF$1.00
as TT-65-31100

Trans. of Akademiya Meditsinskikh Nauk SSSR. Vestnik, v20 n2 p3-97 1965.
For table of contents, see the 'Translated Tables of Contents' section of this issue.

TT-65-31111 Field 6E, 6C

VESTNIK OF THE USSR ACADEMY OF MEDICAL SCIENCES, VOL. 20, NO. 3, 1965. 28 May 65, 155p, 189refs. JPRS-30306.
Order from CFSTI or ETC: HC$5.00, MF$1.00
as TT-65-31111

Trans. of Akademiya Meditsinskikh Nauk SSSR. Vestnik, v20 n3 p3-95 1965.
For table of contents, see the 'Translated Tables of Contents' section of this issue.
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TT-65-31128 Field 6E

PROBLEMS OF ONCOLOGY, VOL. 11, NO. 3, 1965: SELECTED ARTICLES. 31 May 65, 35p, 41refs.
JPRS-30345.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-65-31128

Trans. of Voprosy Onkologii (USSR) v11 n3 p48-61, 73-7, 104-5 1965.
For table of contents, see the 'Translated Tables of Contents' section of this issue.
See also 'Translated or Abstracted Publications,' section of this issue.

TT-65-31201 Field 6E, 6P

Lukomskii, P. E.; Tumanovskii, M. N.; Malaya, L. T.; Kakhovskii, I. M.
SOVIET RESEARCH ON CARDIOLOGY. 8 Jun 65, 34p, 15refs. JPRS-30490.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-65-31201

Trans. of Kardiologiya (USSR) v5 n2 p3-21, 84-5 1965.
For table of contents, see the 'Translated Tables of Contents' section of this issue.

TT-65-31250 Field 6E, 6P, 6A

Petrov, I. R.
THE PROBLEM OF OXYGEN DEFICIENCY. 11 Jun 65, 14p, 21refs. JPRS-30576.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-31250

Trans. of Patologicheskaya Fiziologiya i Eksperimentalnaya Terapiya (USSR) v8 n1 Jan/Feb 1964.

TT-65-31462 Field 6E, 5A

PLANNING OF SOVIET SCIENCE. 7 Jul 65, 15p. JPRS-30964.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-31462

Translations of 4 selected articles from May 65 issue of Russian newspaper, Meditsinskaya gazeta.

TT-65-31490 Field 6E

Dontsov, G. I.
TUNGSTEN METABOLISM IN PATIENTS WITH INFECTIOUS HEPATITIS. 9 Jul 65, 8p. JPRS-30992.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-31490

Trans. of Zdravookhranenie Turkmenistana (USSR) v9 n4 p11-15 1965.

TT-65-31702 Field 6E

STUDIES IN EXTRACORPOREAL CIRCULATION AND CARDIAC PROSTHESES. 22 Jul 65, 49p, 130refs. JPRS-31205.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-65-31702

Trans. of Grudnaya Khirurgiya (USSR) v7 n2 p13-21, 104-23 Mar/Apr 1965.
For table of contents, see the 'Translated Tables of Contents' section of this issue.

TT-65-31736 Field 6E, 6L

Kalmykova, K.; Golovin, N.; Spektor, M.
THREE SOVIET MEDICAL INSTITUTES CRITICIZED. 28 Jul 65, 15p. JPRS-31239.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-31736

Trans. from Meditsinskaya Gazeta (USSR) v27 p2 Dec 1 1964; v28 p2 Feb 19 p3 Mar 12 1965.

TT-65-31796 Field 6E, 5B, 5A

Rott, A. V.; Portnov, A.; Khalyev, N.; Danilov, B.
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TT-65-31841 Field 6E, 5K

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TT-65-63283 Field 6E

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F. Environmental biology

TT-65-12512 Field 6F

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Order from SLA: $1.10 as TT-65-12512

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K. Life support

TT-65-32174 Field 6K, 6S, 9B

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M. Microbiology

TT-65-11746 Field 6M

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A COMPARATIVE STUDY OF THE BACTERICIDAL EFFECT OF SEMI-SYNTHETIC PENICILLINASE-RESISTANT PENICILLINS. 12p, 21refs.
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TT-65-31529 Field 6M, 6T, 15B

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TT-65-63022 Field 6M, 7C

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TT-65-63289 Field 6M

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O. Pharmacology

NCH-201 548 Field 6O

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Order from SLA: $1.60 as TT-65-12818

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Order from ETC: $1.10 as TT-65-27663

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P. Physiology

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R. Radiobiology

TT-64-51014 Field 6R, 6C

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S. Stress physiology

TT-64-51826 Field 6S, 9F, 6P

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TT-65-30527 Field 6S

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07 CHEMISTRY

A. Chemical engineering

NCH-201 123 Field 7A

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NCH-201 696 Field 7A

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NCH-201 731 Field 7A, 7C

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Order from ATS: $10.65 as ATS-20S84DU

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Patent filed 22 May 62 by Farbwerke Hoechst AG, priority right claimed 3 Jun 61, German Federal Republic. Opened for public inspection on 26 Oct 1964.

NCH-201 741 Field 7A

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Podszus, E.
PROCESS AND DEVICE FOR PREPARING ELEMENTS OR LOWER COMPOUNDS THEREOF. 9p, (figs omitted).
Available on loan from SLA as TT-64-20608

Trans. of Patent (Germany) 296 867.
Patent cl 12 i, gr 39, pub. 13 Mar 17, patent in force as of 20 Mar 13.

TT-64-20631 Field 7A

Dietrich, K. R.; Lohrengel, W.
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Patent filed 13 Sep 37, pub. 5 Aug 37.

TT-64-20632 Field 7A

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Order from SLA: $1.10 as TT-64-20632
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TT-64-20634 Field 7A

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Reiche, E.
APPARATUS FOR CONTINUOUSLY CARRYING OUT THE REACTION AND SEPARATION PROCESSES REQUIRED IN THE PRODUCTION OF CHROMIC ACID FROM ALKALI CHROMATES OR BICHROMATES AND SULFURIC ACID AS WELL AS FOR CARRYING OUT SIMILAR CONVERSIONS. 3p, (figs omitted).
Order from SLA: $1.10 as TT-64-20642

Trans. of Patent (Germany) 742 797.
Patented by I. G. Farbenindustrie A. G., 11 Dec 43.

TT-64-20645 Field 7A

PROCESS FOR THE PURIFICATION OF HYDROGEN CHLORIDE. 4p.
Order from SLA: $1.10 as TT-64-20645

Trans. of Patent (Germany) 869 193.
Patented by Chloberag Chlor Betrieb Rheinfelden AG, 5 Mar 53.

TT-64-20652 Field 7A

PROCESS FOR THE PRODUCTION OF POLYMERIC SILOXANES AND SILOXANE-CONTAINING MATERIALS AND MIXTURES. 3p.
Order from SLA: $1.10 as TT-64-20652

Trans. of Patent (Germany) 845 267.

TT-64-20658 Field 7A

Birman, A.
PROCESS FOR THE PRODUCTION OF POTASSIUM BICARBONATE OR POTASSIUM CARBONATE. 3p, 4refs.
Order from SLA: $1.10 as TT-64-20658

Trans. of Patent (Germany) 925 947.
Patented by Societe d'Etudes Chimiques pour l'Industrie et l'Agriculture, Paris, 4 Apr 55.
Another trans. is available from SLA $1.10 as TT-64-30477, 2p.

TT-64-20663 Field 7A

PROCESS FOR THE THERMIC TREATMENT OF HYDROCARBONS. 3p, (figs omitted).
Order from SLA: $1.10 as TT-64-20663

Trans. of Patent (Germany) 1 008 728.
Patented by Soc. Belge de l'Azote et des Produits Chimiques du Marly, 23 May 57. (Claims only translated).

TT-64-20664 Field 7A

PROCESS FOR THE PRODUCTION OF SILICIC ACID HYDROSOLS. 14p, (figs omitted) 5refs.
Order from SLA: $1.60 as TT-64-20664

Trans. of Patent (Germany) 1 009 169.
Patent application St 5085 IVa/12 i, by Esso Research and Engineering Co., Elizabeth, N. J., filed 14 July 52, pub. 29 May 57 (Priority: U. S., 14 July 51 and 17 Sep 51).

TT-64-20669 Field 7A

PROCESS FOR THE REGENERATION OF ACID OR ALKALINE SOLUTIONS WHICH CONTAIN COLLOIDAL SUBSTANCES RETAINED BY THE DIAPHRAGM. 3p, (figs omitted).
Order from SLA: $1.10 as TT-64-20669

Trans. of Patent (France) 575 633.

TT-64-20675 Field 7A

ELECTROLYTIC CELL FOR MAKING CHLORINE AND ALKALI HYDROXIDES. 5p, (figs omitted).
Order from SLA: $1.10 as TT-64-20675

Trans. of Patent (France) 757 871.
Patented by Electrochlore Co., Dordogne, France, filed 3 Jul 33, granted 10 Oct 33, pub. 5 Jan 34.
Another trans. is available from CFSTI or SLA $1.10 as TT-63-18872, 7p.

TT-64-20676 Field 7A

PROCESS FOR OBTAINING SIMULTANEOUSLY A SODA LIQUOR POOR IN NaCl AND GLAUBER SALTS. 6p, 1ref.
Order from SLA: $1.10 as TT-64-20676

Trans. of Patent (France) 776 874.
Patented by I. G. Farbenindustrie, A. G., Germany, filed 6 Aug 34, granted 17 Nov 34, pub. 6 Feb 35.

TT-64-20683 Field 7A

Holland-Merton, E.; Dreyer, C. E.
METHOD AND EQUIPMENT FOR MAKING CAUSTIC ALKALI. 5p, (figs omitted).
Order from SLA: $1.10 as TT-64-20683

Trans. of Patent (France) 808 655.
Patent filed 24 July 36, granted 24 Nov 36, pub. 12 Feb 37.

TT-65-11570 Field 7A

Spector , M. L.; Heinemann, H.
ACETYLENE AND METHYLACETYLENE REMOVAL FROM OLEFINS, USING CUPROUS-CUPRIC SALTS SOLUTIONS. 6p, 4refs.
Order from SLA: $1.10 as TT-65-11570

Trans. of Erdoel und Kohle-Erdgas-Petrochemie (West Germany) v14 n11 p915-7 1961.
Another trans. is available from SLA $1.10 as TT-63-16974, 8p.

TT-65-11729 Field 7A

Kamei, S.; Takamatsu, T.; Yamada, K.
ABSORPTION OF CARBON DIOXIDE GAS BY PERFORATED PLATE COLUMN. A STUDY ON LIQUID FILM RESISTANCE. 22p, (foreign text included) 7refs.
Order from SLA: $2.60 as TT-65-11729

Trans. of Kagaku Kogaku (Japan) v18 n10 p467-73 1954.

TT-65-11754 Field 7A

Bruno, M.; Bellucco, U.
THE SEPARATION AND DETERMINATION OF MICRO-QUANTITIES OF ARSENIC AND PHOSPHORUS. 6p.
Order from SLA: $1.10 as TT-65-11754

Trans. of la Ricerca Scientifica (Italy) v26 n11 p3337-41 1956.

TT-65-11764 Field 7A

Scaglione, P.
RECENT DEVELOPMENTS IN THE PRODUCTION OF UREA. Paper presented to the 'Giornate delle Chimica', Miland, 7-16 June 63. 13p, 13refs.
Order from SLA: $1.60 as TT-65-11764

Trans. of Chimica el'Industria (Italy) v45 n9 p1069-75 1963.

TT-65-11765 Field 7A

PETROCHEMICAL PLANNING IN AUSTRIA. 3p.
Order from SLA: $1.10 as TT-65-11765

Trans. of Oesterreichisches Institut fuer Wirtschafts-forschung. Monatsberichte (Austria) v31 n9 p393-5 1959.

TT-65-11778 Field 7A

Kutsakova, V. E.; Romankov, P. G.; Rashkovskaya, N. B.
CERTAIN KINETIC RELATIONSHIPS OF THE FLUIDIZED BED DRYING PROCESS. 9p, 7refs.
Order from SLA: $1.10 as TT-65-11778

Trans. of Zhurnal Prikladnoi Khimii (USSR) v36 p2217-4 1963.
See also 'Translated or Abstracted Publications,' section of this issue.

TT-65-11781 Field 7A

Berline, C.; Wels, J.
STUDY OF ECONOMIC REFINING PROBLEMS WITH THE HELP OF LINEAR PROGRAMMING THEORY AND OF MODERN ELECTRONIC COMPUTERS. 13p, 8refs.
Order from SLA: $1.60 as TT-65-11781

Trans. of Genie Chimique (France) v90 n5 p127-34 1963.

TT-65-11787 Field 7A

Sazhin, B. S.; Miklin, Yu. A.
TECHNOLOGICAL CALCULATION OF AIR-FOUNTAIN INSTALLATIONS FOR THE DRYING OF FREE-FLOWING MATERIALS (Tekhnologicheskii Raschet Aerofontannykh Ystanovok dlya Sushki Sypuchikh Materialov). 10p, 14refs.
Order from SLA: $1.10 as TT-65-11787

Trans. of Khimicheskaya Promyshlennost (USSR) n11 p819-22 1962.
Another trans. is available from CFSTI or ETC, HC $1.00, MF $0.50 as TT-65-60511, 16p.

TT-65-12427 Field 7A

Baumann, P.
ACETYLENE PRODUCTION BY THE ARC METHOD. 8p,

17refs.
Order from SLA: $1.10 as TT-65-12427

Trans. of Angewandte Chemie (West Germany) v20b p257-9 1948.

TT-65-12632 Field 7A, 7D

Ciborowski, J.; Mlodzinski, B.
DRYING KINETICS OF HYDRATED SALT IN FLUIDIZED BED. 13p, 2refs.
Order from SLA: $1.60 as TT-65-12632

Trans. of Przemysl Chemiczny (Poland) v17(40) n9 p529-33 1961.

TT-65-12702 Field 7A

Uchida, S.
STUDIES ON DISTILLATION. REPORT NO. 3. PLATE EFFICIENCY OF A BUBBLE CAP COLUMN. 29p, 9refs.
Available on loan from SLA as TT-65-12702

Trans. of Kogyo Kagaku Zasshi (Japan) v39 n7 p470-9 1936.

TT-65-12703 Field 7A

Uchida, S.
STUDIES ON DISTILLATION. REPORT NO. 1. SPECIFIC GRAVITY OF METHANOL-WATER MIXTURES AT VARIOUS TEMPERATURES. 14p, 13refs.
Available on loan from SLA as TT-65-12703

Trans. of Kogyo Kagaku Zasshi (Japan) v37 n9 p1166-75 1934.

TT-65-12717 Field 7A

Cantone, B.; Grasso, F.; Lindemann, L.
MASS SPECTROMETRY ANALYSIS OF PETROLEUM FRACTIONS IN THE C10 - C13 RANGE. 8p, 13refs.
Order from SLA: $1.10 as TT-65-12717

Trans. of Rivista dei Combustibili (Italy) v18 n5 p177-82 1964.

TT-65-12718 Field 7A

Gofman, I. L.; Lykov, M. V.; Khudolei, I. P.
PREPARATION OF SODIUM TRIPOLYPHOSPHATE AND PYROPHOSPHATE. 18p, 16refs.
Order from SLA: $1.60 as TT-65-12718

Trans. of Khimicheskaya Promyshlennost (USSR) n9 p620-4 1961.
Another trans. is available from CFSTI or SLA $1.10 as TT-63-15959, 10p.

TT-65-12748 Field 7A

Klesment, I. R.; Rang, S. A.; Eizen, O. G.
MICROANALYTIC HYDRO- AND DEHYDROGENATION, COMBINED WITH GAS-LIQUID CHROMATOGRAPHY. 10p, 9refs.
Order from SLA: $1.10 as TT-65-12748
Trans. of Neftekhimiya (USSR) v3 n6 p864-70 1963.

TT-65-12750 Field 7A

Chekhov, O. S.
INVESTIGATION OF THE HYDRODYNAMIC PROCESSES IN A FLUIDIZED BED WITH SOLID PARTICLES UNDER PRESSURE. 6p, 3refs.
Order from SLA: $1.10 as TT-65-12750

Trans. of Khimicheskaya Promyshlennost (USSR) n7 p48-50 1961.

TT-65-12759 Field 7A

Trepaud, G.
DEMINERALIZATION OF SEA WATER BY FREEZING. 7p.
Order from SLA: $1.10 as TT-65-12759

Trans. of Dechema-Monographien (West Germany) v47 n805-34 p823-8 1962.

TT-65-12761 Field 7A

Ganz, S. N.; Lukyanitsa, A. I.; Belchina, L. A.
NITROGEN-IRON FERTILIZER PRODUCTION, COMBINED WITH GAS PURIFICATION FROM NITROGEN OXIDES. 5p, 2refs.
Order from SLA: $1.10 as TT-65-12761

Trans. of Zhurnal Prikladnoi Khimii (USSR) v37 n7 p1609-11 1964.
See also 'Translated or Abstracted Publications,' section of this issue.

TT-65-12762 Field 7A

DRY GRANULAR BLEACHING COMPOUNDS. 28p, (figs omitted).
Order from SLA: $2.60 as TT-65-12762

Trans. of Patent (Belgium) 597 383.
Patented by Procter and Gamble Co., U. S. A., granted 23 Nov 60.
Another trans. is available from CFSTI or SLA $1.10 as TT-62-10674, 5p.

TT-65-12764 Field 7A

Becanne, R.; Ferrand, C.
PREPARATION OF TRICHLOROCYANURIC ACID. 14p.
Order from SLA: $1.60 as TT-65-12764

Trans. of Patent (France) 1 285 286.
Patent internat'l cl C 07 d, by Office National Industriel de l'Azote, France, filed 19 Dec 60, granted 15 Jan 62.

TT-65-12766 Field 7A

IMPROVEMENT IN THE MANUFACTURE OF SODIUM TRIPOLYPHOSPHATE. 4p.
Order from SLA: $1.10 as TT-65-12766

Trans. of Patent (Belgium) 573 458.
Patented by Union Chimique Belge, S. A., Brussels, 31 Dec 58 (Priority: France, 3 Dec 57).

TT-65-12769 Field 7A

PROCESS FOR THE PURIFICATION OF SODIUM HYDROXIDE LYES. 10p.
Order from SLA: $1.10 as TT-65-12769

Trans. of Patent (Belgium) 626 273.

Patented by Ministerul Industriei Petrolului si Chimiei, Bucharest, Rumania, filed 15 Jan 63 (Priority: Rumania, 20 Jan 62).
Another trans. is available from TC $4.00 as TC-234, 4p.

TT-65-12771 Field 7A

IMPROVED PROCESS FOR MANUFACTURE OF CHLORINE. 7p.
Order from SLA: $1.10 as TT-65-12771

Trans. of Patent (France) 1 348 596.
Patented by Solvay and Cie, Brussels, filed 30 Nov 62, granted 2 Dec 63.
Another trans. is available from TC $6.00 as TC-232, 6p.

TT-65-12773 Field 7A

METHOD AND APPARATUS FOR INCREASING THE VISCOSITY OF POLYAMIDES. 9p.
Order from SLA: $1.10 as TT-65-12773

Trans. of Patent (Netherlands) 64 06435.
Patented by Vereinigte Glanzstoff-Fabriken A. G., Wuppertal-Elberfeld, Germany, filed 5 June 64, granted 7 Dec 64 (Priority: Germany, appl. V 24, 141 IVc/22h, 6 June 63).

TT-65-12783 Field 7A

Bottenbruch, L.; Rullmann, K. H.; Schnell, H.
PROCESS FOR REMOVAL OF ELEMENTAL CHLORINE FROM PHOSGENE (Verfahren zum Abtrennen von Elementarem Chlor aus Phosgen). 8p, (foreign text included) 2refs.
Order from SLA: $1.10 as TT-65-12783

Trans. of Patent (Germany) 1 155 097.
Patent cl 12 i, gr 31/28, international cl C 01 b, patent application F 35,446 IVa/12i, by Farbenfabriken Bayer A. G., Leverkusen, filed 30 Nov 61, granted 3 Oct 63, pub. 23 Apr 64.

TT-65-12785 Field 7A

Schmutzler, G.; Kircheisen, J.
PROCESS FOR THE PRODUCTION OF BORIC ACID. 4p, 2refs.
Order from SLA: $1.10 as TT-65-12785

Trans. of Patent (East Germany) 34 074.
Patent filed 22 Jan 63, granted 15 Dec 64.

TT-65-12799 Field 7A, 12B

Wilde, D. J.
SCHEDULING OF CONSTRUCTION AND REPAIR BY DYNAMIC PROGRAMMING. 23p, 6refs.
Order from SLA: $2.60 as TT-65-12799

Trans. of Genie Chimique (France) v87 n1 p1-13 1962.

TT-65-12800 Field 7A

Saint-James, R.; Graham, G. P.
THE PULSED COLUMN. HYDRAULIC BEHAVIOR AND MASS-TRANSFER OF A SOLID SPHERE IN A PULSED, CONTINUOUS MEDIUM. 21p, (fig 10 and 14 omitted) 18refs.
Order from SLA: $2.60 as TT-65-12800
Trans. of Genie Chimique (France) v86 n1 p1-16 1961.

TT-65-12907 Field 7A

Stamberg, J.; Vasicek, Z.
EFFECT OF THE STRUCTURE OF ION-EXCHANGERS ON THEIR ABILITY TO DECOLORIZE SUGAR SOLUTIONS. 22p, (refs omitted).
Order from SLA: $2.60 as TT-65-12907

Trans. of Chemicky Prumysl (Czechoslovakia) v12 (37) n4 p213-9 1962.

TT-65-30274 Field 7A, 9C

Shen Tsu-ch'iu; Huang Chih-chieh; Lo Pai-ch'ang; Kan Fu-hsi; Li Chia-chih.
COMMUNIST CHINA'S SCIENCE AND TECHNOLOGY: TRANSLATIONS NO. 143. 3 Feb 65, 32p, 63refs. JPRS-28617.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-65-30274

Trans. of K'o Hsueh T'ung Pao (Chinese People's Republic) n11 p991-1000, p1020-3 Nov 1964. Kuei Suan Yen Hsueh Pao (Chinese People's Republic) v3 n2 p148 May 1964.
Available copy will not permit fully legible reproduction.

TT-65-30944 Field 7A

Lu Chen-yun; Lu Ta-chun; Hua Pao-ting; Wang Tsung-mu; Su Yu-sheng.
COMMUNIST CHINA'S SCIENCE AND TECHNOLOGY: TRANSLATIONS NO. 178. 10 May 65, 73p, 118refs. JPRS-29987.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-65-30944

Trans. of Hua Hsueh T'ung Pao (Chinese People's Republic) n10 p11-21, 44-9, 50-7 14 Oct 1964. Chih Wu Hsueh Pao (Chinese People's Republic) v12 n4 p384 Dec 1964.
Available copy will not permit fully legible reproduction.

TT-65-31294 Field 7A

USSR INDUSTRIAL DEVELOPMENT: SOVIET CHEMICAL INDUSTRY NO. 220. 21 Jun 65, 27p. JPRS-30706.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-65-31294

Trans. of 6 selected articles from 1965 issues of Russian newspapers.

TT-65-31448 Field 7A

Molotkov, I.; Amelin, A.; Davoyan, A.; Makarov, I.; Butrina, N.
USSR INDUSTRIAL DEVELOPMENT: SOVIET CHEMICAL INDUSTRY NO. 222. 6 Jul 65, 27p. JPRS-30949.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-65-31448

Trans. of 6 selected articles from 1965 issues of various Russian periodicals and newspapers.

TT-65-31999 Field 7A, 11I, 7E, 20L, 11J

USSR SCIENTIFIC ABSTRACTS: CHEMISTRY NO. 12. 10 Aug 65, 225p. JPRS-31503.
Order from CFSTI or ETC: HC$6.00, MF$1.25 as TT-65-31999
Contains translations of abstracts of articles from 1964-65 issues of USSR scientific and technical journals.

TT-65-32211 Field 7A

USSR INDUSTRIAL DEVELOPMENT: SOVIET CHEMICAL INDUSTRY NO. 226. 26 Aug 65, 30p. JPRS-31716.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-65-32211

Trans. of 9 selected articles from 1965 issues of Russian periodicals and newspapers.

B. Inorganic chemistry

TT-64-20612 Field 7B

PROCESS OF CONVERTING ALKALI MONOCHROMATES INTO BICHROMATES. 4p, 2refs.
Order from SLA: $1.10 as TT-64-20612

Trans. of Patent (Germany) 355 851.
Patented by Societe Industrielle de Produits Chimiques of Paris, France, patent in force as of 20 Jan 18.

TT-64-20613 Field 7B

PROCESS OF CONVERTING ALKALI MONOCHROMATES INTO ALKALI BICHROMATES. 4p, 1ref.
Order from SLA: $1.10 as TT-64-20613

Trans. of Patent (Germany) 360 202.
Patented by Societe Industrielle de Produits Chimiques of Paris, patent in force as of 8 July 19 (Priority: France, 13 Aug 18).

TT-64-20615 Field 7B

Suchy, R.
PROCESS FOR THE PRODUCTION OF SODIUM BICHROMATE FROM SODIUM CHROMATE BY MEANS OF CARBONIC ACID. 2p.
Order from SLA: $1.10 as TT-64-20615

Trans. of Patent (Germany) 379 410.
Patented by Chemische Fabrik Griesheim-Elektron, Frankfurt a. M., patent in force as of 14 Apr 21.

TT-64-20662 Field 7B

PROCESS FOR THE PRODUCTION OF CHROME HEXACARBONYL. 4p, 1ref.
Order from SLA: $1.10 as TT-64-20662

Trans. of Patent (Germany) 1 007 305.
Patented by Badische Anilin- und Soda-Fabrik A. G., filed 5 Dec 55, granted 2 May 57, pub. 24 Oct 57.

TT-64-20670 Field 7B

PROCESS FOR THE PRODUCTION OF CARBONATE OF PURE LIME. 6p.
Order from SLA: $1.10 as TT-64-20670

Trans. of Patent (France) 456 056.
Patented by Cordurie, n. d.

TT-65-11771 Field 7B

Benzenberg, J. F.
SHOOTING STARS ARE STONES FROM LUNAR VOLCANOS. 55p, 26refs.
Order from SLA: $5.50 as TT-65-11771

Trans. of mono. die Sternschuppen Sind Steine aus Mond-Volkanen, Bonn, 1834.

TT-65-11788 Field 7B

Seifer, G. B.; Makarova, Z. A.
THERMAL DECOMPOSITION OF FERROCYANIDES OF COBALT, NICKEL AND MANGANESE. 9p, 23refs.
Order from SLA: $1.10 as TT-65-11788

Trans. of Zhurnal Neorganicheskoi Khimii (USSR) v9 n9 p2085-90 1964.
See also 'Translated or Abstracted Publications,' section of this issue.

TT-65-11997 Field 7B

Nakamura, S.; Suzuki, H.
METHOD OF PRODUCING A HYPOCHLORITE SOLUTION. 6p, (foreign text included).
Order from SLA: $1.10 as TT-65-11997

Trans. of Patent (Japan) 175 771.
Patent class 15 E 31, granted 11 Mar 48, pub. 1 Nov 49, patent publication Showa 22-1551, 8 Oct 47, application Showa 20-3433, 26 Dec 45.

TT-65-12506 Field 7B

Wiberg, E.; Graf, H.; Uson, R.
ABOUT MONOMERIC ALUMINUM HYDRIDE AlH3. 19p, 5refs.
Order from SLA: $1.60 as TT-65-12506

Trans. of Zeitschrift fuer Anorganische und Allgemeine Chemie (East Germany) v272 p221-32 1953.
Another trans. is available from K-H $19.00 as K-H 10464, 19p.

TT-65-12696 Field 7B

Ryss, I. G.
A METHOD FOR THE DETERMINATION OF BORON IN TETRAFLUOROBORATES. 14p, 10refs.
Order from SLA: $1.60 as TT-65-12696

Trans. of Zhurnal Obshchei Khimii (USSR) v16 p531-6 1946.

TT-65-12746 Field 7B

Runge, H.
GAS CHROMATOGRAPHIC ANALYSIS OF INORGANIC GASES. 30p, 14refs.
Order from SLA: $2.60 as TT-65-12746

Trans. of Zeitschrift fuer Analytische Chemie (West Germany) v189 n1 p111-24 1962.
Other trans. are available from SLA $1.60 as TT-64-10600, 15p; $1.60 as TT-62-18999, 17p and from BGIRA as BGIRA-563, May 63.

TT-65-12763 Field 7B

Pomot, J.; Luzarreta, E.; Becanne, R.
SOLID AND STABLE COMPOUNDS WHICH HAVE A HIGH ASSAY OF ACTIVE CHLORINE. 5p.
Order from SLA: $1.10 as TT-65-12763

Trans. of Patent (France) 1 282 141.
Patent internat'l cl C 07 d, by Office National Industriel de l'Azote, France, filed 7 Dec 60, granted 11 Dec 61.

TT-65-12793 Field 7B

Barbieri, G. A.; Calzolari, F.
CONCERNING THE PERSULFATES OF DIVALENT METALS. 4p, 2refs.
Order from SLA: $1.10 as TT-65-12793

Trans. of Zeitschrift fuer Anorganische und Allgemeine Chemie (Germany) v71 p347-55 1911.

TT-65-12808 Field 7B

Weiss, A.; Thielepape, W.; Ritter, W.; Schaefer, H.; Goering, G.
ON HYDRAZINE-KAOLINITE. 37p, 23refs.
Order from SLA: $3.60 as TT-65-12808

Trans. of Zeitschrift fuer Anorganische und Allgemeine Chemie (East Germany) v320 n3/4 p183-204 1963.

TT-65-12809 Field 7B

Hlynczak, A. J.; Knypl, J. S.; Antoszewski, R.
AN IMPREGNATION MICROMETHOD FOR THE DETERMINATION OF BROMIDES AND IODIDES. 7p, 22refs.
Order from SLA: $1.10 as TT-65-12809

Trans. of Chemia Analityczna (Poland) v5 p407-11 1960.

TT-65-12878 Field 7B

Hinz, I.; Dietzel, A.
THE PHASE INVERSION OF VARIOUS ZrO2 SAMPLES (Ueber die Phasenumwandlung Verschiedener ZrO2-Praeparate). 19p, (foreign text included) 15refs.
Order from SLA: $1.60 as TT-65-12878

Trans. of Deutsche Keramische Gesellschafte. Berichte (West Germany) v39 n10 p489-94 1962.
Another trans. is available on loan from CFSTI as LOTS-4388, CSIRO no. 7069.

TT-65-12883 Field 7B

Cremer, E.; Nitsch, W.
THE KINETICS OF THE DECOMPOSITION AND RECOMBINATION OF CaCO3 (Beitrag zur Kinetik der Abbau- und Aufbaureaktion von Calciumcarbonat). 33p, (foreign text included) 33refs.
Order from SLA: $3.60 as TT-65-12883

Trans. of Tonindustrie-Zeitung (West Germany) v83 n24 p579-86 1959.

C. Organic chemistry

NCH-201 570 Field 7C, 11E

METHOD FOR INCREASING THE DYE AFFINITY OF NYLON-66 AND PRODUCTS PREPARED FROM THIS POLYMER. Jul 65, 6p. TC-924.
Order from TC: $6.50 as TC-924

Trans. of Patent (Netherlands) 64 10 656.
Patented 1 Sep 64 by Monsanta Co.

NCH-201 584 Field 7C

METHOD FOR SIMUTANEOUS CHLORINATION OF LOW CONCENTRATION ETHYLENE AND ACETYLENE. Jun 65, 6p, 1ref. TC-836.
Order from TC: $7.50 as TC-836

Trans. of Patent (Japan) pub. 39-22 946.
Patented 3 Jul 61 by Toa Synthetic Chemical Industry, Inc.

NCH-201 586 Field 7C

PREPARATION METHOD FOR 2,4,4,4-TETRACHLOROBUTLY ALCOHOL. Jun 65, 5p. TC-838.
Order from TC: $6.00 as TC-838

Trans. of Patent (Japan) pub. 39-18 108.
Patented 10 May 62 by Olin-Mathieson Chem. Corp.

NCH-201 587 Field 7C

METHOD FOR OXYCHLORINATION OF AROMATIC HYDROCARBONS. Jun 65, 13p. TC-839.
Order from TC: $1 .00 as TC-839

Trans. of Patent (Japan) pub. 39-23 396.
Patented 21 Feb 62 by Vulcan Mterials Corp.

NCH-201 683 Field 7C

Isagulyants, G. V.; Ryashentseva, M. A.; Derbentsev, Yu. I.; Minachev, Kh. M.; Balandin, A. A.
ISOMERIZATION MECHANISM OF CYCLANES IN THE PRESENCE OF BIFUNCTIONAL CATALYSTS. 1965, 1p. ATS-33S84R.
Order from ATS: $2.00 as ATS-33S84R

Trans. of Akademiya Nauk SSSR. Izvestiya. Seriya Khimicheskaya, n8 p1555-56 1964.

TT-64-20606 Field 7C

PROCESS FOR THE PREPARATION OF CHLORINATED PRODUCTS FROM FATS, OILS, AND WAXES, BALSAM, ROSIN, PETROLEUM AND ITS FRACTIONS, PARAFFIN, MINERAL WAX AND MONTAN WAX. 1p, 3refs.
Order from SLA: $1.10 as TT-64-20606

Trans. of Patent (Germany) 275 166.

TT-64-20620 Field 7C

PROCESS FOR THE PRODUCTION OF TETRAHYDROFURFURYL ALCOHOL. 4p.
Order from SLA: $1.10 as TT-64-20620

Trans. of Patent (Germany) 625 477.
Patented by Boehme Fettchemie-Gesellschaft m.b.H. Chemnitz, Saxony. 23 Jan 36.

TT-64-20639 Field 7C

PROCESS FOR THE PRODUCTION OF TETRACHLOROETHYLENE. 4p.
Order from SLA: $1.10 as TT-64-20639

Trans. of Patent (Germany) 725 276.
Patented by Alexander Wacker Ges. for Electrochem. Ind. G.m.b.H., Munich, 18 Sep 42.

TT-64-20640 Field 7C

PROCESS FOR THE PRODUCTION OF ETHANE TETRACHLORIDE. 4p.
Order from SLA: $1.10 as TT-64-20640

Trans. of Patent (Germany) 733 750.
Patented by Alexander Wacker Ges. fur Elektrochem. Ind. GmbH, Munich, 1 Apr 43.

TT-64-20646 Field 7C

Soll, W.; Morel, C. J.
METHOD FOR THE MANUFACTURE OF ARYL-TRICHLOROETHANOLS. 8p, 3refs.
Order from SLA: $1.10 as TT-64-20646

Trans. of Patent Germany) 868 296.
Patent cl 12 o, gr 5 04, patent application G 4777 IV d/12 o, by J. R. Geigy Corp., Basel, Switzerland, filed 27 Dec 51, granted 15 Jan 53, pub. 23 Feb 53, patent in force as of 12 Dec 50 (Priority: Switzerland, 16 Dec 49).

TT-64-20647 Field 7C

Muller, H.; Schaffer, E.
PROCESS FOR THE PRODUCTION OF TETRACHLOR ETHANE. 3p, 1ref.
Order from SLA: $1.10 as TT-64-20647

Trans. of Patent (Germany) 867 848.
Patented by Rudolf Decker and Hellmuth Holz, Munich, 19 Feb 53.

TT-64-20653 Field 7C

PROCESS FOR PREPARING P-XYLYLENE POLYMER. 24p.
Order from SLA: $2.60 as TT-64-20653

Trans. of Patent (Japan) pub. 34-5285.
Patent pub. 1959.

TT-64-20661 Field 7C

METHOD FOR PRODUCING CHLORINATED HYDROCARBONS. 6p.
Order from SLA: $1.10 as TT-64-20661

Trans. of Patent (Germany) 1 003 701.
Patented by Farbwerke Hoechst A. G., pub. 7 Mar 57.
Addition to German patent 946,891.

TT-64-20677 Field 7C

PROCESS FOR PREPARING OLEFIN POLYMERIZATION PRODUCTS. 9p.
Order from SLA: $1.10 as TT-64-20677

Trans. of Patent (France) 790 945.
Patented by I. G. Farbenindustrie A. G., Germany, n.d.

TT-64-20678 Field 7C

PROCESS FOR THE PREPARATION OF OLEFIN POLYMERIZATION PRODUCTS. 9p.
Order from SLA: $1.10 as TT-64-20678

Trans. of Patent (France) 793 226.
Patented by I. G. Farbenindustrie A. G., Germany, n. d.

TT-64-20679 Field 7C

PROCESS FOR PREPARING CONDENSATION PRODUCTS. 10p.
Order from SLA: $1.10 as TT-64-20679

Trans. of Patent (France) 793 250.
Patented by I. G. Farbenindustrie A. G., Germany, n. d.

TT-64-20680 Field 7C

PROCESS FOR PREPARING WETTING AGENTS, EMULSIFIERS AND DETERGENTS. 8p.
Order from SLA: $1.10 as TT-64-10680

Trans. of Patent (France) 795 429.
Patented by I. G. Farbenindustrie A. G., Germany, n.d.

TT-65-10456 Field 7C

Horacek, J.
MICRODETERMINATION OF DEUTERIUM IN ORGANIC SUBSTANCES. 14p, 30refs.
Order from SLA: $1.60 as TT-65-10456

Trans. of Collection of Czechoslovak Chemical Communications, v26 n3 p772-80 1961.

TT-65-11511 Field 7C

Volkov, R. N.; Tsybin, Yu. S.
THE SPONTANEOUS OXIDATION OF 2-CYCLOHEXYL-p-XYLENE IN LIQUID PHASE. 6p, 10refs.
Order from SLA: $1.10 as TT-65-1161.

Trans. of Zhurnal Obshchei Khimii (USSR) v34 n7 p235-40 1964.
See also 'Translated or Abstracted Publications,' section of this issue.

TT-65-11674 Field 7C

Haenni, H.; Ritter, W.
GAS CHROMATOGRAPHY AND ITS APPLICATION IN DIARY INDUSTRY. COMMUNICATION NO. 3. TESTING OF AMYL ALCOHOL FOR ITS COMPOSITION AND APTITUDE AS A REAGENT FOR FAT DETERMINATION ACCORDING TO GERBER (Die Gaschromatographie und ihre Anwendung in der Milchwirtschaft. 3. Mitteilung. Die Pruefung von Amylalkohol auf seine Zusammensetzung und Eignung als Reagens zur Fettbestimmung nach Gerber). 19p, 13refs.
Order from SLA: $1.60 as TT-65-1 674

Trans. of Milchwissenchaft (West Germany) v16 n1 p24-9 1961.

TT-65-11757 Field 7C

Corradini, G.; Giona, A. R.; Mariani, E.
ON THE STRUCTURE OF ASPHALTENES OF BITUMENS. 9p, 6refs.
Order from SLA: $1.10 as TT-65-11757

Trans. of Rivista dei Combustibili (Italy) v13 n3 p187-96 1959.

TT-65-11775 Field 7C

Faingold, S. I.; Voore, Kh. Yu.
THE ALKYLATION OF HIGHER AROMATIC HYDROCARBON WITH HIGHER ALKENES. 7p, 12refs.
Order from SLA: $1.10 as TT-65-11775

Tans. of Zhurnal Prikladnoi Khimii (USSR) v36 n1 p2527-33 1963.
See also 'Translated or Abstracted Publications,' section of this issue.

TT-65-11776 Field 7C

Smelkov, R. E.; Kozulin, N. A.
THE ELASTIC ENERGY OF DEFORMATION BY DISPLACEMENT IN POLYMER MELTS. 7p, 17refs.
Order from SLA: $1.10 as TT-65-11776

Trans. of Zhurnal Prikladnoi Khimii (USSR) v36 n11 p2460-4 1963.
See also 'Translated or Abstracted Publications,' section of this issue.

TT-65-11779 Field 7C

Komarov, V. A.
THE EFFECT OF CARBON-ATOM NUMBERS IN CHAINS OF ORGANIC MOLECULES ON THE PROPERTIES OF THE LATTER. 3p, 8refs.
Order from SLA: $1.10 as TT-65-11779

Trans. of Zhurnal Obshchei Khimii (USSR) v33 n11 p3683-4 1963.
Another trans. is available from ATS $4.00 as ATS-47R76R 3p.

TT-65-11780 Field 7C

Nikolenko, L. N.; Krizhechkovskaya, N. I.
THE REACTION OF PHENOL WITH THIONYLCHLORIDE. 2p, 1 refs.
Order from SLA: $1.10 as TT-65-11780

Trans. of Zhurnal Obshchei Khimii (USSR) v33 n11 p3731-3 1963.
See also 'Translated or Abstracted Publications,' section of this issue.

TT-65-11823 Field 7C

Asinger, F.; Berg, O.
ISOMERIZATION OF DOUBLE BONDS BY METAL CARBONYLS. 8p, 13refs.
Order from SLA: $1.10 as TT-65-11823

Trans. of Chemische Berichte (West Germany) v88 n3 p445-51 1955.

TT-65-11996 Field 7C

Bissinger, W. E.; Strain, F.; Stevens, H. C.; Dial, W. R. Tishome, R. S.
A METHOD OF RESINOUS, CONDENSED, COMPOUNDED PRODUCTION OF BISPHENOL. 11p, (foreign text included).
Order from SLA: $1.60 as TT-65-11996

Trans. of Patent (Japan) pub. 38-15250.
Patent class 26 D 712 and 25 H 611-1, Special appl. Showa 37-4074, appl. Showa 33-33,241, by Pittsburgh Plate Glass Co., Pittsburgh, Pa., USA, filed 21 Nov 58, pub. 19 Aug 63 (Priority: U. S., 27 Nov 57).

TT-65-12090 Field 7C

Timokhin, I. M.; Finkelshtein, M. Z.
ANALYSIS OF CARBOXYMETHYL CELLULOSE. 17p, 34refs.
Order from SLA: $1.60 as TT-65-12090

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TT-65-12131 Field 7C

Kuroda, S.
INDOLE DERIVATIVES. 4p.
Order from SLA: $1.10 as TT-65-12131

Trans. of Yakugaku Zasshi (Japan) n493 p133-6 1923.
Partial trans. of p131-42.

TT-65-12326 Field 7C

Henaff, P. Le.
MECHANISM OF THE METHYLATION OF PRIMARY AMINES BY FORMALDEHYDE AND FORMIC ACID. 5p, 10refs.
Order from SLA: $1.10 as TT-65-12326

Trans. of Academie des Sciences, Paris. Comptes Rendus (France) v258 p3690-3 1964 (pub. by Gauthier-Villars et Cie., Paris).

TT-65-12484 Field 7C

Scipioni, A.
OXIDATION OF PARAFFIN TO NEUTRAL PRODUCTS. NOTE III. ON THE NATURE OF THE PRODUCTS OBTAINED. 8p, (figs omitted).
Order from SLA: $1.10 as TT-65-12484

Trans. of Annali di Chimica (Italy) v40 n3-5 p143-8 1950.

TT-65-12500 Field 7C

Natta, G.; Mazzanti, G.; Corradini, P.
STEREOSPECIFIC POLYMERIZATION OF ACETYLENE. 15p, (figs omitted) 11refs.
Order from SLA: $1.60 as TT-65-12500

Trans. of Accademia Nazionale dei Lincei. Classe di Scienze Fisiche, Matematiche e Naturali. Rendiconti (Italy) s8 v25 p3-12 1958.
Another trans. is available from SLA mi$2.40, ph$3.30 as TT-59-15708, 15p.

TT-65-12502 Field 7C

Keyssner.
ALKYL PHENOLS. 6p.
Order from SLA: $1.10 as TT-65-12502

Trans. of Unidentified German report. (PB-70393).

TT-65-12505 Field 7C

Anger, V.; Fischer, G.
A NEW SPOT TEST FOR ALDEHYDES. 7p, 1ref.
Order from SLA: $1.10 as TT-65-12505

Trans. of Mikrochimica et Ichnoanalytica Acta (Austria) n4 p592-6 1960.
Another trans. is available from K-H $8.75 as K-H 10467, 7p.

TT-65-12515 Field 7C

PROCESS FOR THE PREPARATION OF CAPROLACTAM. 44p.
Order from SLA: $4.60 as TT-65-12515

Trans. of Patent (Belgium) 582 793.
Patented by Snia Viscosa Societa Nazionale Industria Applicazioni Viscosa S.p.A., Milan, Italy, filed 18 Mar 60 (Priority: Italy, No. 13873/58, 18 Sep 58, No. 1353/59, 28 Jan 59 and No. 17,513, 6 Apr 59).

TT-65-12519 Field 7C

Pueschel, R.; Wittmann, H.
TITRIMETRIC RAPID MICROMETHOD FOR DETERMINING PHOSPHORUS IN ORGANIC SUBSTANCES. 7p, 10refs.
Order from SLA: $1.10 as TT-65-12519

Trans. of Mikrochimica et Ichnoanalytica Acta (Austria) n5/6 p670-4 1960.

TT-65-12523 Field 7C, 7D

Hoffmann, E. G.
MOLECULAR SPECTROSCOPIC INVESTIGATIONS ON ORGANO-ALUMINUM COMPOUNDS. IV. ON THE SPECTROSCOPIC IDENTIFICATION OF THE ASSOCIATION OF COMPOUNDS OF THE TYPE AlR3 AND AlR3Cl. 30p, (figs omitted) 33refs.
Order from SLA: $2.60 as TT-65-12523
Trans. of Zeitschrift fuer Elektrochemie (West Germany) v64 n5 p616-31 1960.
Another trans. is available from K-H $32.00 as K-H 10486, 28p.

TT-65-12529 Field 7C

Zechmeister, L.
METHODS OF INVESTIGATING STRUCTURE (Methoden der Konstitutionsforschung). 45p, 71refs.
Order from SLA: $4.60 as TT-65-12529
Trans. from mono. Carotinoide. Chapter 3. Berlin, 1934.

TT-65-12619 Field 7C, 7D

Loeffler, J. E.; Reichl, E. R.
A METHOD FOR THE DETECTION AND DETERMINATION OF ORGANIC ACIDS IN PAPER CHROMATOGRAMS (Eine Methode zum Nachweis und zur Bestimmung Organisher Saeuren in Papier Chromatogramen). 18p, 12refs.
Order from SLA: $1.60 as TT-65-12619
Trans. of Nikrochimica et Ichnoanalytica Acta (Austria) n1/2 p79-88 1953.

TT-65-12633 Field 7C

Kolobikhin, V. A.; Sobolev, V. M.; Tyuryaev, I. Ya.; Myasoedov, M. I.
BUTADIENE PRODUCTION BY THE DEHYDROGENATION OF n-BUTANE. 5p, 7refs.
Order from SLA: $1.10 as TT-65-12633

Trans. of Neftekhimiya (USSR) v3 n6 p850-2 1963.

TT-65-12697 Field 7C

Burmistrov, S. I.; Shilov, E. A.
INVESTIGATIONS IN THE SERIES OF AROMATIC KETENES. PHENYL-p-XENYL-AND PHENYL-a-NAPHTHYL-KETENES. 10p, 4refs.
Order from SLA: $1.10 as TT-65-12697

Trans. of Zhurnal Obshchei Khimii (USSR) v16 p295-9 1946.

TT-65-12781 Field 7C

Popov, M.; Gudev, N.; Daskalov, L.; Dicheva, M.
EXTRACTION OF TARTARIC ACID FROM VINASSE WITH ION-EXCHANGE RESINS. 14p, 7refs.
Order from SLA: $1.60 as TT-65-12781

Trans. of Nauchno-Izsledovatelski Tekhnologicheski Institut po Vinarska i Pivovarna Promishlenost. Sofia. Nauchni Trudove (Bulgaria) v5 p129-41 1962.

TT-65-12782 Field 7C

Sugerman, G.; Kollar, J.
PROCESS FOR PREPARATION OF HYDROXYCARBOXYLIC ACID DERIVATIVES. 6p, 1ref.
Order from SLA: $1.10 as TT-65-12782
Trans. of Patent (Belgium) 645 989.
Patented to Halcon International, Inc. (Priority: U. S., No. 273,544, 17 Apr 63.)

TT-65-12836 Field 7C

Nencetti, G. F.; Nardini, G.; Zanelli, S.
STUDY OF THE PREPARATION OF SOME BORIC ESTERS (Studio sulla Preparazione di Alcuni Esteri Borici). 15p, 14refs.
Order from SLA: $1.60 as TT-65-12836
Trans. of la Chimica e l'Industria (Italy) v46 n3 p252-7 1964.

TT-65-12847 Field 7C

Nanba, A.; Matsuo, Y.
SIMULTANEOUS DETERMINATION OF GLUCOSE AND ANOTHER SUGAR BY A NEW COLORIMETRIC METHOD USING PHENOL AND ACETONE. 9p, 5refs.
Order from SLA: $1.10 as TT-65-12847
Trans. of Hakko Kyokaishi (Japan) v21 p105-9 1963.

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Schorigin, P. Rumaschewskaja, J.
CONCERNING THE METHYLENE ETHER OF CELLULOSE AND ITS ACETATE (Ueber die Methylenaether der Cellulose und Ueber ihre Acetate). 10p, (foreign text included) 5refs.
Order from SLA: $1.10 as TT-65-12873
Trans. of Cellulose-Chemie (Germany) v14 n6 p81-3 1933.

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Nenz, A.; Gechele, G. B.
BY-PRODUCTS OF THE SYNTHESIS OF 2-METHYL-5-VINYLPYRIDINE. PART II ORIGIN OF THE FORMATION

OF THE INSOLUBLE POLYMER (POPCORN) OF 2-METHYL-5-VINYLPYRIDINE. 10p, 14refs.
Order from SLA: $1.10 as TT-65-12887

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BY-PRODUCTS OF THE SYNTHESIS OF 2-METHYL-5-VINYLPYRIDINE. PART I. 16p, 26refs.
Order from SLA: $1.60 as TT-65-12888

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TT-65-12889 Field 7C

Krzyzanowski, S.; Malinowski, S.
STUDIES OF VAPOR PHASE ALDOL REACTIONS. XIII. STUDY OF THE REACTION BETWEEN ACETONITRILE AND FORMALDEHYDE IN THE PRESENCE OF A SILICA GEL CATALYST III. 11p, (figs omitted) 4refs.
Order from SLA: $1.60 as TT-65-12889

Trans. of Roczniki Chemii (Poland) v38 n3 p437-45 1964.

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Noguchi, A.; Yuge, T.; Shintani, S.
STUDIES ON THE SYNTHESIS OF POLYCARBONATES. PT I. SYNTHESIS OF BISPHENOL A, B. 23p, (foreign text included) 9refs.
Order from SLA: $2.60 as TT-65-12892

Trans. of Yuki Gosei Kagaku Kyokaishi (Japan) v21 n8 p611-6 1963.

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Noguchi, A.; Koseki, K.; Tanimoto, K.; Yasuda, S.; Fukamachi, K.
STUDIES ON THE SYNTHESIS OF POLYCARBONATES. PT III. PHOSGENATION OF BISPHENOL A. 39p, (foreign text included) 2refs.
Order from SLA: $3.60 as TT-65-12893

Trans. of Yuki Gosei Kagaku Kyokaishi (Japan) v21 n8 p621-31 1963.

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STUDIES ON THE SYNTHESIS OF POLYCARBONATES. PT IV. POLYCONDENSATION REACTIONS. 36p, (foreign text included) 3refs.
Order from SLA: $3.60 as TT-65-12894

Trans. of Yuki Gosei Kagaku Kyokaishi (Japan) v21 n8 p694-703 1963.

TT-65-12895 Field 7C

Noguchi, A.
STUDIES ON THE SYNTHESIS OF POLYCARBONATES. PT V. REACTION MECHANISM OF PHOSGENATION. 29p, (foreign text included).
Order from SLA: $2.60 as TT-65-12895

Trans. of Yuki Gosei Kagaku Kyokaishi (Japan) v21 n12 p928-35 1963.

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Order from SLA: $2.60 as TT-65-12896

Trans. of Yuki Gosei Kagaku Kyokaishi (Japan) v22 n1 p61-6 1964.

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Masuda, Y.; Hani, H.
THE POLYMERIZATION OF EPICHLOROHYDRIN. 1 p, 9refs.
Order from SLA: $1.60 as TT-65-12897

Trans. of Kogyo Kagaku Zasshi (Japan) v66 n9 p1361-4 1963.

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Almasi, M.; Szabo, L.; Farkas, S.; Kacso, F.; Vegh, O.
REACTIONS OF METALLIC CARBONYLS. III. ON THE MECHANISM OF ACRYLIC ESTER FORMATION FROM ACETYLENE, NICKEL CARBONYL, CARBON MONOXIDE, AND ALCOHOLS. 11p, 10refs.
Order from SLA: $1.60 as TT-65-12899

Trans. of Academia Republicii Populare Romine. Studii si Cercetari de Chimie (Rumania) v8 p509-17 1960.

TT-65-12902 Field 7C

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COPOLYMERIZATION OF UNSATURATED POLYESTERS WITH VINYL AND ALLYL MONOMERS. XV. STUDY OF POLYMERIZED POLYDIETHYLENE GLYCOL FUMARATE BY IR SPECTROSCOPY AND BY CHEMICAL METHODS. 8p, 7refs.
Order from SLA: $1.10 as TT-65-12902

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See also 'Translated or Abstracted Publications,' section of this issue.

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THE CLEAVAGE OF THE 2,4-DINITROPHENYL GROUP BY HYDRAZINOLYSIS. II. THE HYDRAZINOLYSIS OF 1-(2,4-DINITROPHENYL)-1,2,3-TRIAZOLES AND THE CORRESPONDING TETRAZOLES. 19p. 12refs.
Order from SLA: 41.60 as TT-65-12903

Trans. of Gazzetta Chimica Italiana, v94 n3-4 p340-55 1964.

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USE OF ETHYLENEDIAMINESILVER CHROMATE IN THE DIFFERENTIATION OF FILTER PAPERS AND IN THE DETERMINATION OF SULFURIC ACID. 7p, (refs omitted).
Order from SLA: $1.10 as TT-65-12904

Trans. of Associacao Brasileira de Quimica. Anais, v20 p49-53 1961.

TT-65-12916 Field 7C

Sinn, H.; Lundborg, C.; Onsager, O. T.
KINETICS OF 'POLYMERIZATION' OF ISOPRENE AND STYRENE WITH n-BUTYLLITHIUM AS CATALYST. VII. 40p, 48refs.
Order from SLA: $3.60 as TT-65-12916

Trans. of Makromolekulare Chemie (Switzerland) v70 p222-59 1964.

TT-65-27679 Field 7C, 6O

Dzierkacz, M.; Zommer, S.
DOSAGE COLORIMETRIQUE DU CHLORHYDRATE DE L'ESTER DIETHYLAMINOETHYLIQUE DE L'ACIDE ACETYLSALICYLIQUE (EDAN). 4p. 2refs. CNRS-XLV 145.
Order from ETC: $1.10 as TT-65-27679

Trans. in French of Farmacja Polska, v19 n23/24 p507-8 1963.
Also available from CNRS.

TT-65-30201 Field 7C, 6A

Kochetkov, N. K.; Braunshtein, A. E.; Kabachnik, M. I.; Orlov, P. P.
ORGANIC CHEMISTRY. 26 Jan 65, 39p. JPRS-28465.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-65-30201

Trans. of Akademiya Nauk SSSR. Vestnik, v34 n10 p43-59, 79-81 1964.

TT-65-63278 Field 7C, 11L

Suty, Ladislav.
ULTRAVIOLET SPECTROPHOTOMETRY IN THE CELLULOSE INDUSTRY. Aug 65, 11p, 35refs. AERDL-T-1799-65; AD-619 814.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-619 814

Trans. of Papir a Celulosa (Czechslovakia) v17 n11 p239-41 1962.
Translated under contract DA44 009AMC930T.

D. Physical chemistry

NCH-201 693 Field 7D

Koshevnik, A. Yu.; Kusakov, M. M.; Lubman, N. M.
MEASUREMENT OF THE SURFACE TENSION OF LIQUIDS FROM THE DIMENSIONS OF A SESSILE DROP. 1965, 5p. ATS-74S84R.
Order from ATS: $9.85 as ATS-74S84R

Trans. of Zhurnal Fizicheskoi Khimii (USSR) v27 n12 p1887-90 1953.

NCH-201 699 Field 7D

Krasovskii, N. N.; Nikitin, Yu. P.; Esin, O. A.; Popel, S. I.
CALCULATION OF SURFACE TENSION FROM THE SHAPE OF A SESSILE DROP. 1965, 3p. ATS-68S84R.
Order from ATS: $5.50 as ATS-68S84R

Trans. of Zhurnal Fizicheskoi Khimii (USSR) v28 n9 p1678-9 1954.
Another trans. is available from SLA as RT-4546 (4p).

NCH-201 756 Field 7D

Dubinin, M. M.
PRINCIPAL CHARACTERISTICS OF THE MOLECULAR SIEVE PROPERTIES OF THE SODIUM AND CALCIUM FORMS OF TYPE A ZEOLITES AND FAUJASITES (TYPES X AND Y). 1965, 1p. ATS-34S84R.
Order from CFSTI or ETC: $3.50 as ATS-34S84R

Trans. of Akademiya Nauk SSSR. Izvestiya. Seriya Khimicheskaya n7 p1359 1964.

TT-65-10859 Field 7D

Stackelberg, M. von; Toome, V.
INVESTIGATIONS ON THE DROP-DISENGAGEMENT PROCESS OF A DROPPING ELECTRODE. I. GEOMETRY OF THE PROCESS AND BACK-PRESSURE. 14p, (6 figs omitted) 6refs.
Order from SLA: $1.60 as TT-65-10859

Trans. of Collection of Czechoslovak Chemical Communications, v25 p2958-65 1960.

TT-65-11500 Field 7D

Meyerhoff, G.
THE VISCOMETRIC DETERMINATION OF POLYMER MOLECULES. 80p, 210refs.
Order from SLA: $7.60 as TT-65-11500

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TT-65-11747 Field 7D

Chevillot, J. P.
RELATIONS BETWEEN THE FORMATION, THE STRUCTURE AND THE PROPERTIES OF CERTAIN MANGANESE DIOXIDES. 6p, (1 fig omitted) 10refs.
Order from SLA: $1.10 as TT-65-11747

Trans. of Journal de Chimie Physique (France) v61 n5 p748-50 1964.

TT-65-11752 Field 7D

Devay, J.
EFFECT OF A. C. ON DISTRIBUTION OF D. C. ON POLARIZED ELECTRODES (Valtoaram Hatasa az Egyenaramnak Polarizalt Elektrodokon valo Eloszlasara). 17p, (foreign text included) 45refs.
Order from SLA: $1.60 as TT-65-11752

Trans. of Magyar Kemiai Folyoirat (Hungary) v70 p191-6 1964.

TT-65-11756 Field 7D

Roginskii, S. Z.; Semenenko, E. I.; Yanovskii, M. I.
ON THE POSSIBILITY OF CATALYTIC DEHYDROGENATION DURING CHROMATOGRAPHY. 3p, 9refs.
Order from SLA: $1.10 as TT-65-11756

Trans. of Akademiya Nauk SSSR. Doklady, v153 n2 p383-5 1963.

TT-65-11770 Field 7D

Kimla, A.
POLAROGRAPHY IN A FLOWING ELECTROLYTE. III.

DIFFUSION TO A CIRCUMFUSED SPHERICAL ELECTRODE. 18p, 7refs.
Order from SLA: $1.60 as TT-65-11770

Trans. of Collection of Czechoslovak Chemical Communications, v28 p2696-705 1963.

TT-65-11777 Field 7D

Kolesnikov, I. M.; Panchenkov, G. M.
CALCULATION OF KINETIC CONSTANTS IN GASEOUS-PHASE FLOW PROCESSES. 9p, 10refs.
Order from SLA: $1.10 as TT-65-11777

Trans. of Zhurnal Fizicheskoi Khimii (USSR) v37 n12 p2698-705 1963.
See also 'Translated or Abstracted Publications,' section of this issue.

TT-65-12132 Field 7D

Levin, A. I.; Borbat, V. F.
EFFECTS OF ALIPHATIC ACIDS ON THE ELECTRODEPOSITION OF COBALT FROM A CHLOROUS ELECTROLYTE. 2p.
Order from SLA: $1.10 as TT-65-12132

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Order from SLA: $1.10 as TT-65-12709

Trans. of Akademiya Nauk Azerbaidzhanskoi SSR, Baku. Izvestiya. Seriya Fiziko-Matematicheskikh i Technicheskikh Nauk, n2 p105-8 1964.

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Mourgues, L. de.; Fichet, M.; Chassaing, G.
STUDY OF THE CRACKING ACTIVITY OF SILICA-ALUMINA CATALYSTS BY THE CHROMATOGRAPHIC MICROCATALYTIC TECHNIQUE. 14p, 9refs.
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STEADY-STATE CONCENTRATIONS OF NITRIC OXIDE IN A DISCHARGE. 1. EXPERIMENTS WITH AIR IN A WIDE VESSEL. 20p, 10refs.
Order from SLA: $1.60 as TT-65-12789

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TT-65-12791 Field 7D

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Order from SLA: $2.60 as TT-65-12791

Trans. of Societe Chimique de France. Bulletin, n1 p93-9 1963.

TT-65-12797 Field 7D

Wisseroth, K.
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Order from SLA: $1.10 as TT-65-12797

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TT-65-12798 Field 7D

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DETERMINATION OF ELASTICITY MODULUS IN VISCOELASTIC SYSTEMS THROUGH RHEOLOGIC MEASUREMENTS. Communication no. 2. 8p, 5refs.
Order from SLA: $1.10 as TT-65-12798

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TT-65-12801 Field 7D

Goff, P. Le.
THE FLUID-IN-FLUID DISPERSIONS. PHYSICO-CHEMICAL PRINCIPLES AND UTILIZATION IN CHEMICAL TRADE. 20p, 44refs.
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Trans. of Genie Chimique (France) v83 p170-81 1960.

TT-65-12832 Field 7D

Namiot, A. Yu.; Bondareva, M. M.
EQUILIBRIUM CONSTANTS OF NITROGEN DISSOLVED IN WATER AT 150 AND 200 DEGREES. 4p, 10refs.
Order from SLA: $1.10 as TT-65-12832

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TT-65-12841 Field 7D

Momigny, J.; Brakier, L.; Or, L. D.
COMPARISON BETWEEN THE EFFECTS OF ELECTRON IMPACT ON BENZENE AND ON THE ISOMERS OF BENZENE WITH OPEN CHAIN. 15p, 13refs.
Order from SLA: $1.60 as TT-65-12841

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THE CHEMICAL ACTION OF ULTRASOUND (Chemiczne Dzialanie Ultradzwiekow). 51p, (foreign text included) 83refs.
Order from SLA: $5.60 as TT-65-12884

Trans. of Wiadomosci Chemiczne (Poland) v14 p759-78 1960.

TT-65-12885 Field 7D

Gerasimov, V. V.; Gromova, A. I.; Sabinin, A. A.; Shapovalov, E. T.
AUTOCLAVE FOR ELECTROCHEMICAL INVESTIGATIONS AT A TEMPERATURE OF 300C AND A PRESSURE OF UP TO 100 kg/cm (Avtoklav dlya Elektrokhimicheskikh Issledovanii pri Temperature 300 degree i Davlenii do 100 kg/cm2). 8p, (foreign text included) 1ref.
Order from SLA: $1.10 as TT-65-12885

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Koberstein, E.
CATALYTIC ACTIVITY OF GAMMA-ALUMINUM OXIDE IN REACTIONS OF HYDROCARBONS. 24p, 26refs.
Order from SLA: $2.60 as TT-65-12890

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A NOVEL DETECTOR FOR GAS CHROMATOGRAPHY. 4p.
Order from SLA: $1.10 as TT-65-12905

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TT-65-12910 Field 7D

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NEW CORRELATIONS BETWEEN THE PHYSICAL CONSTANTS OF ORGANIC COMPOUNDS. 8p, (tables omitted).
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TT-65-12914 Field 7D

Ivanovskii, N. N.; Kozlov, F. A.
THERMODYNAMIC CALCULATION OF THE INTERACTION OF SODIUM AND WATER IN A STEAM-HEATER OF THE SODIUM-WATER TYPE. 7p, 10refs.
Order from SLA: $1.10 as TT-65-12914

Trans. of Atomnaya Energiya (USSR) v17 n5 p406-8 1964.
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E. Radio and radiation chemistry

NCH-200 892 Field 7E, 7D

Leuschke, W.
PROCESS FOR THE REMOTE PRODUCTION OF RADIOACTIVE COLLOIDS AND DEVICE FOR THE ACCOMPLISHMENT OF THE PROCESS. 1965. TTIS-NS-367.
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Trans. of Patent (East Germany) 28 357. Patent appl. 13 Jun 61, pub. 5 May 63.

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A. Biological oceanography

TT-65-31052 Field 8A, 14B

Keldysh, M. V.
SOME 1965 LENIN PRIZE WINNERS: STUDIES IN CONTROLLED EXPLOSIONS AND MARINE ZOOLOGY (AND) NEW ACHIEVEMENTS OF SOVIET SCIENCE AND TECHNOLOGY. 24 May 65, 13p. JPRS-30200.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-31052

Trans. from Pravda, Moscow (USSR) 25 Apr p4 1965.

TT-65-31588 Field 8A, 13J

THE PRAVDA EDITORIAL: TRANSLATIONS NO. 469. 14 Jul 65, 6p. JPRS-31090.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-31588

Trans. from Pravda, Moscow (USSR) 11 Jul p3 1965.

B. Cartography

TT-64-51974 Field 8B, 8F

Biernacki, F.; Piatkowski, F.
TWO REVIEWS OF POLISH BOOK: WORLD ATLAS. 21 Dec 64, 11p. JPRS-27924.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-64-51974
Trans. of Przeglad Geodezyjny (Poland) v36 n7 p274-6 1964.

TT-65-30212 Field 8B, 5A

Kao Ch'ung-shou; Ts'ai Chi-ying; Hu Chih-te; Chang Tsu-i; Chih Kuang.
COMMUNIST CHINA'S SCIENCE AND TECHNOLOGY:

TRANSLATIONS NO. 140. 27 Jan 65, 58p, 23refs. JPRS-28496.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-65-30212

Trans. of T'se Hui T'ung Pao (Chinese People's Republic) v10 n5 p1-14 May 1964. K'o Hsueh T'ung Pao (Chinese People's Republic) n11 p1001-7, 1024-25 Nov 1964.

C. Dynamic oceanography

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ACTINOMETRIC OBSERVATION TECHNIQUES AT SEA (O Metodike Aktinometricheskikh Nablyudenii v More). Apr 65, 13p, 3refs. NASA TT F-330; N65-20883.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as N65-20883

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TT-65-62039 Field 8C, 4B

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MEASURING RADIATION BALANCE AT SEA (Ob Izmerenii Radiatsionnogo Balansa v Morskikh Usloviyakh). Apr 65, 20p, 12refs. NASA TT F-324; N65-21229.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as N65-21229

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D. Geochemistry

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Valyashko, M. G.
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Order from SLA: $3.60 as TT-65-12715

Trans. from mono. Khimiya Zemnoi Kory, Moscow, 1963 p253-77 Geokhimicheskoi Konferentsii, Posvyashchennoi Stoletiyu so Dyna Rozhdeniya Akademiya V. I. Vernadskogo Trudy v1. Chemistry of the Earth's Crust.

E. Geodesy

TT-65-31071 Field 8E

PROCEEDINGS OF THE CONSTITUENT CONGRESS OF THE BULGARIAN UNION OF GEODESY AND LAND ORGANIZATION. 25 May 65, 15p. JPRS-30230.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-31071

Trans. of Tekhnichesko Delo (Bulgaria) v16 n569 p1/2 1965.

F. Geography

TT-65-12833 Field 8F

INVESTIGATIONS OF THE NATURE IN THE FAR EAST (Issledovanie Prirody dal'nevo Vostoka). Ed. by E. Kh. Parmasto. 10p, (figs omitted).
Order from SLA: $1.10 as TT-65-12833

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G. Geology and mineralogy

TT-64-41777 Field 8G, 4B, 8H

Apollov, B. A.
GEOGRAPHICAL AND CLIMATIC FACTORS AFFECTING THE REGIMES OF RIVERS OF THE USSR. 23 Sep 64, 156p. JPRS-26519; N64-31079.
Order from CFSTI or ETC: HC$3.00, MF$1.00 as TT-64-41777

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TT-65-12705 Field 8G

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Order from SLA: $3.60 as TT-65-12705

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THE FURTHER DEVELOPMENT OF THE PRINCIPLES AND METHODS OF COMPOSING TECTONIC MAPS. 15p, 13refs.
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Order from SLA: $1.10 as TT-65-12736

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EFFECT OF THE pH OF FLUSHING FLUIDS ON THE VALUE OF DIFFUSION-ADSORPTION POTENTIALS. 6p, 1ref.
Order from SLA: $1.10 as TT-65-12737

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Bambauer, H. U.
TRACE ELEMENT CONTENTS AND GAMMA-COLOR CENTERS OF QUARTZ FROM STRESS FISSURES IN THE SWISS ALPS. 38p, 57refs.
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Order from SLA: $1.60 as TT-65-12824

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Order from SLA: $1.10 as TT-65-12825

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TT-65-29173 Field 8G, 21D

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ZUR ANWENDUNG DER KONSOLIDATIONSTHEORIE BEI TORF. 10p.
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Order from ETC or TIB: $1.60 as TT-65-29232

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TT-65-30673 Field 8G, 8I, 6E, 6O

Wang Chuchuan; Ho Mu; Chen Hsin-chien.
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Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-65-30673

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Egorov, M. N.
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TT-65-31323 Field 8G

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H. Hydrology and limnology

NCH-201 760 Field 8H

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Trans. of Hidrotehnica (Rumania) v9 n11 p585-90 1964.

I. Mining engineering

NCH-201 094 Field 8I

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NCH-201 698 Field 8I, 14B

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TT-65-12334 Field 8I

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TT-65-30419 Field 8I

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TT-65-32042 Field 8I, 9C

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K. Seismology

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10 ENERGY CONVERSION (NON-PROPULSIVE)

No Entries

11 MATERIALS

A. Adhesives and seals

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C. Coatings, colorants and finishes

NCH-200 934 Field 11C, 7C

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Patent cl 75 b, gr 19, patent application A 76,214 IV c/75 b, by Kurt Albert G.m.b.H. Chemische Fabriken, Amoeneberg, granted 6 Apr 39, pub. 27 Apr 39, patent in force as of 7 June 35. Addition to German patent 645,497, 6 Apr 34.

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E. Fibers and textiles

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Order from SLA: $1.10 as TT-65-12722

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F. Metallurgy and metallography

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NCH-200 936 Field 11F, 13H

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NCH-201 440 Field 11F, 13H

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Order from BISI: L2 10s as BISI-4271

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NCH-201 662 Field 11F, 21B

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Order from BISI: L9 as BISI-4259

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Order from ATS: $10.75 as ATS-71S83B

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NCH-201 766 Field 11F, 7A

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NCH-201 767 Field 11F, 7A

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NCH-201 775 Field 11F

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NCH-201 777 Field 11F, 13H, 13I

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NCH-201 779 Field 11F, 13H

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NCH-201 780 Field 11F, 7A

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NCH-201 783 Field 11F, 20B

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NCH-201 786 Field 11F, 20B, 7D

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Trans. of Akademiya Nauk URSR, Kiev. Dopovidi, n4 p474-7 1965.

NCH-201 792 Field 11F, 13H

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NCH-201 793 Field 11F, 13H, 13I

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Trans. of Kuznechno-Shtampovochnoe Proizvodstvo (USSR) v6 n9 p7-9 1964.

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Trans. of Izvestiya Vsshikh Uchebnykh Zavedenii. Chernaya Metallurgiya (USSR) v8 n3 p53-8 1965.

NCH-201 795 Field 11F, 13H, 14B

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NCH-201 800 Field 11F

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NCH-201 801 Field 11F

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NCH-201 806 Field 11F

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TT-64-20618 Field 11F

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Order from SLA: $1.10 as TT-64-20618

Trans. of Patent (Germany) 505 318.
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TT-64-20619 Field 11F

Specketer, H.; Henschel, G.
PROCESS FOR THE PREPARATION OF SODIUM CHROMATE WITH SIMULTANEOUS RECOVERY OF ALUMINA. 2p.
Order from SLA: $1. 10 as TT-64-20619

Trans. of Patent (Germany) 513 942.
Patented by I. G. Farbenindustrie A.G., Frankfurt, Germany, pub. 27 Nov 30. patent in force as of 5 Feb 30. Addition to German patent 505,318. 16 Aug 30.

TT-64-20638 Field 11F

Kummel, P.
PROCESS FOR INHIBITING ATTACKS OF ORGANIC SOLVENTS UPON METALS. 3p.
Order from SLA: $1.10 as TT-64-20638

Trans. of Patent (Germany) 700 620.
Patented by Byk - Guldeuwerke Chemische Fabrik A.G., pub. 28 Nov 40.

TT-64-20659 Field 11F

ELECTRICALLY HEATED SHAFT FURNACE FOR THE DIRECT HALOGENATING OF OXIDE ORES. 12p, (figs omitted).
Order from SLA: $1.60 as TT-64-20659

Trans. of Patent (Germany) 956 993.
Patented by Th. Goldschmidt A.-G., Essen., 24 Jan 57.

TT-64-20665 Field 11F

Kandler, L.; Vogt, H.
PROCESS FOR THE ELECTRICAL USE OF ENERGY OF DECOMPOSITION OF AMALGAMS. 3p.
Order from SLA: $1.10 as TT-64-20665

Trans. of Patent (Germany) 1 009 172.
Patented 29 May 57 (claims only translated).
Another trans. is available from SLA $1.10 as TT-65-10535, 8p.

TT-65-11567 Field 11F

Samoilov, O. Ya.
INVESTIGATION OF THE STRUCTURE OF LIQUID METALS. 6p, 11refs.
Order from SLA: $1.10 as TT-65-11567

Trans. of Akademiya Nauk SSSR, Izvestiya, Metallurgiya i Toplivo, n3 p116-8 1961.

TT-65-11568 Field 11F

Romanova, A. V.
X-RAY DIFFRACTION STUDIES OF THE STRUCTURE OF LIQUID METALS. 6p, 10refs.
Order from SLA: $1.10 as TT-65-11568

Trans. of Akademiya Nauk SSSR, Izvestiya, Metallurgiya i Toplivo, n3 p133-5 1961.

TT-65-11763 Field 11F

Ravdel, M. P.; Evdokimova, O. I.
MARTENSITIC TRANSFORMATION IN MANGANESE BASED ALLOYS. 5p, 2refs.
Order from SLA: $1.10 as TT-65-11763

Trans. of Metallovedenie i Termicheska Obrabotka (USSR) n12 p23-6 1962.

TT-65-11768 Field 11F

Melentev, B. N.; Moinov, S. G.; Reznichenko, V. A.
PREPARATION OF TITANIUM DIOXIDE BY THE REACTION OF TITANIUM TETRACHLORIDE AND OXYGEN. 8p.
Order from SLA: $1.10 as TT-65-11768

Trans. of Titan i Ego Splavy (USSR) v8 p114-8 1962.
Another trans. in French is available from ETC or CNRS $1.60 as TT-64-26411, CNRS-VI 1127, 11p.

TT-65-11784 Field 11F

Fujii, S.; Kobayashi, K.
STUDIES ON AMINE-TYPE CORROSION INHIBITORS. REPORT NO. 26. SIMILARITY BETWEEN CORROSION INHIBITORS AND CATALYST POISON. PT. 6. 7p, (figs

omitted) 4refs.
Order from SLA: $1.10 as TT-65-11784

Trans. of Boshoku Gijutsu (Japan) v13 n2 p65-9 1964.

TT-65-12005 Field 11F

Songa, T.; Aveni, N.
SOME ASPECTS OF CORROSION AND ANTI-CORROSIVE CONDITIONING OF WATERS IN THERMAL PLANTS. 25p.
Order from SLA: $2.60 as TT-65-12005

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TT-65-12015 Field 11F, 14B, 20K

Hemardinquer, P.
USES OF ULTRASONIC WAVES IN METALLURGY AND MECHANICS (Les Applications des Ultra-sons en Metallurgie et en Mecanique). 27p, (foreign text included).
Order from SLA: $2.60 as TT-65-12015

Trans. of Revue Generale de Mecanique (France) v40 n95 p429-33 1956.
Another trans. is available from SLA as 58-131, 22p.

TT-65-12752 Field 11F

Merz, A.; Kotsch, H.
THE RESISTANCE TO MOLTEN METALS OF METAL BORIDES, ESPECIALLY ZIRCONIUM BORIDE. 15p, 14refs.
Order from SLA: $1.60 as TT-65-12752

Trans. from Mono. Metallische Spezialwerkstoffe, Berlin, 1963 p58-77.

TT-65-12774 Field 11F

Jongkind, J. C.; Kenedi, P. G.
PROCESS FOR THE COATING OF ALUMINUM AND COMPOSITION FOR ITS IMPLEMENTATION. 16p.
Order from SLA: $1.60 as TT-65-12774

Trans. of Patent (France) 1 362 100.
Patent file No. 932,834, international Cl C 23 c, by M. and T. Chemicals Inc., USA, filed 26 Apr 63, granted 20 Apr 64 (Priority: U. S., No. 190,805, 27 Apr 62).

TT-65-12786 Field 11F

Sobinyakova, N. M.; Ivantsova, G. A.; Balikhina, S. I.
METHOD FOR THE EXTRACTION OF MOLYBDENUM FROM ORE (Sposob Izblecheniya Molibdena iz RD). 3p, (foreign text included).
Order from SLA: $1.10 as TT-65-12786

Trans. of Patent (USSR) 152 738.
Patent cl 40a, gr 46/30, international cl C 22 b, filed 30 Dec 61 as 758,280/22-2, pub. 1963.

TT-65-12863 Field 11F

Bohnenkamp, K.; Engell, H. J.
THE COURSE OF OXIDATION OF IRON AND CARBON IN THE SCALING OF IRON-CARBON ALLOYS (Ablauf der Oxydation von Eisen und Kohlenstoff bei der Verzunderung von Eisen-Kohlenstoff-Legierungen). 34p, (foreign text included) 21refs.
Order from SLA: 3.60 as TT-65-12863

Trans. of Archiv fuer das Eisenhuttenwesen (West Germany) v33 n6 p359-67 1962.
Another trans. is available from BISI L6 5s as BISI-3065.

TT-65-12871 Field 11F

Schrader, A.; Hanemann, H.
CONTRIBUTION FOR THE INVESTIGATION OF FOUR COMPONENT ALLOYS (Beitrag zur Untersuchung von Vierstoffiegierungen). 31p, (foreign text included) 3refs.
Order from SLA: $3.60 as TT-65-12871

Trans. of Zeitschrift fuer Metallkunde (Germany) v35 n10 p185-93 1943.

TT-65-12898 Field 11F

Turetskii, Ya. M.; Shorigyna, N. N.; Izumrudova, T. V.; Gristan, E. L.
THE APPLICATION OF CHLOROLIGNIN AT THE FLOTATION OF IRON ORES (Primenenie Khlorlignina pri Flo-tatsii Zheleznykh rud). 4p, (foreign text included).
Order from SLA: $1.10 as TT-65-12898

Trans. of Gidroliznaya i Lesohimicheskaya Promyshlenost (USSR) v14 n8 p10 1961.

TT-65-30229 Field 11F

Shein, Ya. P.; Gudima, N. V.
METALLURGY OF RARE METALS AND ACCESSORY MINERALS: CHAP. IV, SEC 12. 29 Jan 65, 43p, 22refs. JPRS-28534.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-65-30229

Trans. of mono. Kratkii Spravochnik Metallurga po Tsvetnym Metallam, Moscow, 1964 p348-386.

TT-65-30410 Field 11F

USSR INDUSTRIAL DEVELOPMENT: SOVIET NONFERROUS METALLURGY NO. 118. 1 Mar 65, 10p. JPRS-28941.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-30410

Translations of selected articles from the Dec 64 issue of the Russian newspaper, Pravda.

TT-65-30560 Field 11F

Mazov, V.; Senkovskii, S.; Kharkevich, E.; Sister, B.; Marakhovskii, V.
USSR INDUSTRIAL DEVELOPMENT: SOVIET FERROUS METALLURGY NO. 249. 23 Mar 65, 10p. JPRS-29226.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-30560

Trans. from Rabochaya Gazeta (USSR) 12 Jan p1 1965.

TT-65-30893 Field 11F

Pertsev, M. A.; Filippov, S. M.; Rigmant, S.
USSR INDUSTRIAL DEVELOPMENT: SOVIET FERROUS METALLURGY NO. 259. 4 May 65, 23p. JPRS-29901.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-30893

Trans. of Metallurg (USSR) v10 n1 p1-3, p41 Jan 1965. Mekhanizatsiya i Avtomatizatsiya Proizvodstva (USSR) v19 n1 p52-5 Jan 1965.

TT-65-31850 Field 11F

Semin, I.
USSR INDUSTRIAL DEVELOPMENT: SOVIET FERROUS METALLURGY NO. 282. 2 Aug 65, 9p. JPRS-31353.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-65-31850

Trans. from Kazakhstanskaya Pravda (USSR) p2 17 Jun 65 and news briefs from 1965 issues of various Russian newspapers.

TT-65-32000 Field 11F, 13H

USSR SCIENTIFIC ABSTRACTS: METALS AND METALLURGY NO. 12, 10 Aug 65, 134p. JPRS-31504.
Order from CFSTI or ETC: HC$4.00, MF$1.00
as TT-65-32000

Contains translations of abstracts of articles from 1964-65 USSR scientific and technical journals.

TT-65-32038 Field 11F

USSR INDUSTRIAL DEVELOPMENT: SOVIET FERROUS METALLURGY NO. 286. 13 Aug 65, 17p. JPRS-31542.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-65-32038

Trans. of selected articles and news briefs from 1965 issues of Russian newspapers.

TT-65-32193 Field 11F

USSR INDUSTRIAL DEVELOPMENT: SOVIET FERROUS METALLURGY NO. 287. 25 Aug 65, 1 p. JPRS-31698.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-65-32193

Contains translations of 5 selected articles from Jul/Aug 65 issues of various Russian newspapers.

TT-65-32291 Field 11F

USSR INDUSTRIAL DEVELOPMENT: SOVIET FERROUS METALLURGY NO. 290. 1 Sep 65, 14p. JPRS-31796.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-65-32291

Contains translations of 4 selected articles and news briefs from Aug 25 issues of various Russian newspapers.

TT-65-62917 Field 11F

Ching-Ping Kung.
INTERNAL FRICTION PEAKS IN THE HIGH CHROMIUM AND HIGH CHROMIUM-NICKEL STEELS AT ELEVATED TEMPERATURES. 27 Jul 65, 19p, 8refs. FTD-TT-64-1011; AD-619 312.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-619 312

Edited trans. of Wu Li Hsueh Pao (Chinese People's Republic) v17 n5-p237-45 1961.
Abstract is available from CFSTI, SLA, or ETC, $1.60 in TT-64-13053, E-TC-Ch-63-4.

G. Miscellaneous materials

TT-65-11796 Field 11G

BALL POINT PEN REFILLS PASTE INK. 4p.
Order from SLA: $1.10 as TT-65-11796

Trans. of German Standards specification DIN 16,554.

TT-65-29165 Field 11G

Rashkovich, L. N.
DER EINFLUSS DER HYDRATATIONSBEDINGUNGEN VON KALK AUF DIE HYDROTHERMAL-ER-HARTUNG VON KALK-SAND-ERZEUGNISSEN. 11p.
Order from ETC or TIB: $1.60 as TT-65-29165

Trans. in German of Respublikanskii Nauchno-Issledovatel'skii Institut Mestnykh Stroitel'nykh Materialov. Sbornik Trudov (USSR) n20 p29-35 1961.

TT-65-29194 Field 11G

Bernei, I. I.
VAKUUMENTFEUCHTUNG EINER ASBESTZEMENT-MISCHUNG. 19p.
Order from ETC or TIB: $1.60 as TT-65-29194

Trans. in German of Stroitel'nye Materialy (USSR) v10 n2 p27 1964.

H. Oils, lubricants, and hydraulic fluids

NCH-201 772 Field 11H

Kostetskii, B. I.
ON THE SELECTION OF ADDITIVES FOR LUBRICATING OILS. Jun 65. HB-6614.
Order from HB: $3.90 as HB-6614

Trans. of Akademiya Nauk URSR, Kiev. Dopovidi, n11 p1494-7 1964.

TT-65-12349 Field 11H

Dizioglu, B.
ON THE THEORY OF HEAT TRANSFER IN PARALLEL LUBRICANT LAYERS. COMMUNICATION NO. 1 (Zur Theorie des Waermeueberganges in Parallelen Schmierschichten. I). 29p, 6refs.
Order from SLA: $2.60 as TT65-12349

Trans. of Istanbul Univ. Fen Fakultesi Mecmuasi. Revue. Ser. A.(Turkey) v17 p159-77 1952.

I. Plastics

TT-64-20514 Field 11I

Cresswell, A.; Cummings, P. W., Jr.
IMPROVEMENTS IN THE MANUFACTURE OF SHAPED

ARTICLES STARTING FROM THERMOPLASTIC POLYMERIZATION PRODUCTS. 24p, (figs omitted).
Order from SLA: $2.60 as TT-64-20514

Trans. of Patent (Belgium) 509 732.
Patented by American Cyanamid Co., New York, N. Y., USA, filed 5 Mar 52, granted 31 Mar 52. Improvement of Belgian patent 487,570, 26 Feb 49 (Priority: U. S., 8 Mar 51).

TT-64-20636 Field 11I

Groebe, F.; Spengler, O.; Pfannenstiel, A.
A PROCESS FOR THE PRODUCTION OF NOVOLACS AND RESOLS. 4p.
Order from SLA: $1.10 as TT-64-20636

Trans. of Patent (Germany) 678 623.
Patent cl 12 q, gr 20 01, patent application 76,304 IV c/12 q, by Allgemeine Elektricitaet-Gesellschaft, Berlin, granted 22 June 39, pub. 20 July 39, patent in force as of 20 June 35.

TT-64-20641 Field 11I

Kirst, W.; Schafer, R.
METHOD FOR DYEING FORMED ARTICLES OR WATER-INSOLUBLE POLYMERIZATES OF UNSATURATED COMPOUNDS WITH AN OLEFINIC DOUBLE BOND. 3p.
Order from SLA: $1.10 as TT-64-20641

Trans. of Patent (Germany) 742 644.
Patented by I. G. Farbenindustrie A.G., Germany, 18 Dec 44.

TT-64-20656 Field 11I

Imhausen, A.; Imhausen, K. H.
METHOD OF STABILIZING CHLORINATING PRODUCTS OF HIGH-MOLECULAR HYDROCARBONS. 3p, 3refs.
Order from SLA: $1.10 as TT-64-20656

Trans. of Patent (Germany) 908 729.
Patent cl 12 o, gr 2 01, patent application I 3573 IV d/12 o, by Maerkische Seifen-Industrie o.H.G., Witten/Ruhr and Karl-Heinz Imhausen, filed 13 Nov 52, granted 4 Mar 54, pub. 8 Apr 54, patent in force as of 10 Jun 43.

TT-64-20681 Field 11I

MOLDING COMPOUNDS. 5p.
Order from SLA: $1.10 as TT-64-10681

Trans. of Patent (France) 807 447.
Patent cl 8, gr 14, by Bakelite Co., Ltd., Germany, filed 22 June 36, granted 19 Oct 36, pub. 12 Jan 37 (Priority: Germany, 28 June 35).

TT-64-20682 Field 11I

A PROCESS FOR THE PREPARATION OF MOLDING RESINS. 7p.
Order from SLA: $1.10 as TT-64-20682

Trans. of Patent (France) 808 319.
Patent cl 8, gr 14, by The Bakelite Co., Ltd., Germany, filed 11 June 36, granted 14 Nov 36, pub. 3 Feb 37 (Priority: Germany, 15 June 35 and 14 Oct 35).

TT-65-11135 Field 11I

Stierli, R.
EPOXY RESINS FOR THE ELECTRICAL INDUSTRY (Epoxydharze fuer die Elektroindustrie). Introductory and final paragraphs not translated. 17p, (foreign text included) 15refs.
Order from SLA: $1.60 as TT-65-11135

Trans. of Kunststoffe (West Germany) v53 n8 p541-6 1963.

TT-65-11271 Field 11I

Fuller, M. F.
POLYCAPROLACTAM FOAMS. 16p.
Order from SLA: $1.60 as TT-65-11271

Trans. of Patent (Belgium) 628 004.
Patent dated 5 Aug 63 by E. I. Du Pont de Nemours and Co., USA, n. d. (Priority: U. S., appl. No. 171,356, filed 6 Feb 62, addition to U. S. patent appl. No. 135,801.

TT-65-11637 Field 11I

Renner, A.; Widmer, F.; Schulthess, A. von.
NEW SYNTHETIC RESINS CURABLE BY MEANS OF POLYDIENE ADDITION. 10p, (figs tables omitted) 14refs.
Order from SLA: $1.10 as TT-65-11637

Trans. of Kunststoffe (West Germany) v53 n8 p509-15 1963.

TT-65-11730 Field 11I

Oe, T.; Koda, H.; Yamazaki, H.
STUDIES ON A CHANGE IN THE MOLECULAR WEIGHT AND THEIR DISTRIBUTION IN MOLTEN POLYCARBONATES. 25p, (foreign text included) 9refs.
Order from SLA: $2.60 as TT-65-11730

Trans. of Kobunshi Kagaku (Japan) v21 n232 p505-12 1964.

TT-65-11758 Field 11I

Csueroes, Z.; Groszmann, M.; Zsuffa, B.
ACTION OF DIFFERENT CATALYSTS IN THE FURTHER CHLORINATION OF POLYVINYL CHLORIDE IN SOLUTION (Action de Differents Catalyseurs dans la Chloruration Ulterieure du Chlorure de Polyvinyle en Solution). 18p, (foreign text included) 3refs.
Order from SLA: $1.60 as TT-65-11758

Trans. of Officiel des Matieres Plastiques (France) v6 n54 p53-5 1959.

TT-65-11789 Field 11I

Fuchs, W.; Louis, D.
THE STRUCTURE OF CHLORINATED POLYVINYL CHLORIDES. 40p, 40refs.
Order from SLA: $3.60 as TT-65-11789

Trans. of Makromolekulare Chemie (Switzerland) v22 n1/2 p1-30 1957.
Another trans. is available from SLA $2.60 as TT-64-16335, 26p.

TT-65-12055 Field 11I

Oda, S.; Miwa, T.; Kure, Y.
PREPARATION METHOD FOR AROMATIC HYDROCARBON FORMALDEHYDE RESIN-HARDENED SUBSTANCES. 6p.
Order from SLA: $1.10 as TT-65-12055

Trans. of Patent (Japan) pub. 39-26005.
Patent class 26 D 2, 25 H 1 and 25 N 221, patent application Showa 35-38,249, filed 17 Sep 60, pub. 17 Nov 64.

TT-65-12056 Field 11I

Wakasa, R.; Yamaguchi, K.; Ohama, H.
PREPARATION METHOD FOR MOLDED ARTICLES. 7p.
Order from SLA: $1.10 as TT-65-12056

Trans. of Patent (Japan) pub. 39-20438.
Patent class 25 H 62 and 25 H 021, by Asahi Kasei Kogyo Kabushiki Kaisha, Asahi Chemical Industry Co., Ltd., Osaka City, Japan, application Showa 37-40,772, filed 21 Sep 62, pub. 19 Sep 64.

TT-65-12147 Field 11I

Taira, S.; Yamada, S.
RESIN COMPOSITES. 9p, (foreign text included).
Order from SLA: $1.10 as TT-65-12147

Trans. of Patent (Japan) pub. 39-20434.
Special patent appl. Showa 37-35,637, class 28 H 611.1 and 25 H 51, by Teijin Kabushiki Kaisha, Japan, filed 28 Aug 62, pub. 19 Sep 64.

TT-65-12148 Field 11I

Enoki, Y.; Murata, D.; Goko, A.; Chubo, T.
STABILIZED POLYCARBONATE RESIN. 7p, (foreign text included).
Order from SLA: $1.10 as TT-65-12148

Trans. of Patent (Japan) pub. 39-20432.
Patent appl. Showa 37-9999, class 25 H 611-1, by Japan Soda Co., Ltd., Tokyo, filed 19 Mar 62, pub. 19 Sep 64.

TT-65-12149 Field 11I

Yamada, C.; Adachi, T.
RESINOID. 7p, (foreign text included).
Order from SLA: $1.10 as TT-65-12149

Trans. of Patent (Japan) pub. 39-20433.
Patent appl. Showa 37-27,491, class 25 H 611-1 and 25 H 51, by Teikoku Ginken Co., Osaka, filed 4 July 62, pub. 19 Sep 64.

TT-65-12646 Field 11I

Rabinovich, A. L.; Verkhovskii, I. A.
ON ELASTIC CONSTANTS OF ORIENTED GLASS-PLASTICS. 14p, 17refs.
Order from SLA: $1.60 as TT-65-12646

Trans. of Inzhenernyi Zhurnal (USSR) v4 n1 p90-100 1964.
See also 'Translated or Abstracted Publications,' section of this issue.

TT-65-12784 Field 11I

IMPROVED PROCESS FOR MANUFACTURE OF FILAMENTS FROM POLYMERS. 2p.
Order from SLA: $1.10 as TT-65-12784

Trans. of Patent (France) 1 377 244.
Patented by Monofilamentos y Derivados, S. A., Spain, filed 19 Dec 63, pub. 21 Sep 64.

TT-65-12855 Field 11I

Maeder, A.; Sulzer, G.
PROCEDURE FOR MANUFACTURING COPOLYMERS OF VINYLIDENE CHLORIDE (Verfahren zur Herstellung von Mischpolymerisaten des Vinylidenchlorids). 24p, (foreign text included).
Order from SLA: $2.60 as TT-65-12855

Trans. of Patent (Germany) 1 223 820.
Patent cl 39c, group 25/01, international cl C 08 f, patent appl. C 19,140 IVd/39c, by CIBA AG., Basel, Switzerland, filed 5 June 59, laid out for public inspection 14 Sep 61 (Priority: Switzerland, 6 June 58).

TT-65-12857 Field 11I

Bottomley, A.
DRAWN FILAMENTS WITH A CELLULAR STRUCTURE AND THEIR PROCESS OF PREPARATION (Filaments Etires a Structure Cellulaire et Leur Procede de Preparation). 13p, (foreign text included).
Order from SLA: $1.60 as TT-65-12857

Trans. of Patent (France) 1 301 035.
Patent file No. 869,001, international cl D 01 d and D 01 f, by Phillips Petroleum Co., USA, filed 25 July 61, granted 2 July 62 (Priority: U. S., No. 45,716, 27 July 60).
Other trans. are available from CFSTI or SLA $1.10 as TT-63-20066, 10p and as TT-63-18391, 5p.

TT-65-12879 Field 11I

Iwakura, Y.; Sato, M.; Tamikado, T.; Mizoguchi, T.
PREPARATION OF VINYL ISOCYANATE AND ITS COPOLYMERIZATION REACTION. 17p, (foreign text included) 15refs.
Order from SLA: $1.60 as TT-65-12879

Trans. of Kobunshi Kagaku (Japan) v13 n137 p390-6 1956.

TT-65-12880 Field 11I

Korshak, V. V.; Zamyatina, V. A.; Ma, Z. Z.; Oganesyan, R. M.
POLYESTERS AND POLYMERIC SALTS OF BORIC AND 1,4-BENZENEDIBORONIC ACIDS (Poliefiry i Polimernye Soli Bornoi i 1,4-Fenilendibornoi Kislot). 12p, (foreign text included) 2refs.
Order from SLA: $1.60 as TT-65-12880

Trans. of Vysokomolekulyarnye Soedineniya (USSR) v4 n2 p188-91 1962.
See also 'Translated or Abstracted Publications,' section of this issue.

TT-65-12906 Field 11I

Dreher, B.
HYDROXYL NUMBER DETERMINATIONS ON UNSATURATED POLYESTER RESINS. 6p, 4refs.
Order from SLA: $1.10 as TT-65-12906

Trans. of Farbe und Lack (West Germany) v67 n11 p703-4 1961.

TT-65-20633 Field 11I

A PROCESS FOR THE PRODUCTION OF CONDENSATION PRODUCTS FROM PHENOL-FORMALDEHYDE. 4p.
Order from SLA: $1.10 as TT-64-20633

Trans. of Patent (Germany) 663 762.
Patent cl 12 q, gr 20 01, by Dynamit A.G., Troisdorf, granted 7 July 38. Addition to German patent 599,990, granted 16 Apr 30, in force 15 Sep 27.

TT-65-63037 Field 11I, 7C

Kasatochkin, V. A.; Korshak, V. V.; Kurashev, V.; Smutkina, Z. S.; Frunze, T. M.
ABOUT CERTAIN PROPERTIES OF POLYBENZIMIDAZOLES. 5 Aug 65, 11p, 5refs. FTD-TT-65-587; AD-619 433.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-619 433

Unedited rough draft trans. of Akademiya Nauk SSSR. Doklady, v159 n4 p843-6 1964.

TT-65-63084 Field 11I

Zvirblyanskii, Ya. I.; Kaplanskaya, T. N.
MANUFACTURING DEVICE FOR PLASTIC PARTS. 3 Aug 65, 5p. FTD-TT-65-528; AD-619 453.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-619 453.

Unedited rough draft trans. of Patent (USSR) 166 824. Patent appl. no. 829861/23-4, 6 Apr 63.

TT-65-63286 Field 11I, 6M*

Bashmakov, G. A.; Tarasov, V. N.
THE USE OF POLYETHYLENE VESSELS FOR PREPARING AND TRANSPORTING TISSUE CULTURES. Tr. by Charles T. Ostertag, Jr. Jul 65, 6p. ABL-Trans-1459; AD-619 889.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-619 889

Trans. of Voprosy Virusologii (USSR) v8 n5 p628-9 1963.

J. Rubbers

NCH-201 744 Field 11J

PROCESS FOR HARDENING ELASTOMERIC COPOLYMERS. 1965, 8p. ATS-97S84F.
Order from ATS: $12.00 as ATS-97S84F

Trans. of Patent (Belgium) 647 926.
Patented by American Cyanamid Company. Priority based on a patent application filed in the United States of America on June 4, 1963, under no. 285 200, in the name of Thomas F. Waldron.

NCH-201 746 Field 11J

PROCESS FOR THE CURING OF COPOLYMERIC ELASTOMERS. 1965, 10p. ATS-96S84F.
Order from ATS: $16.85 as ATS-96S84F

Trans. of Patent (Belgium) 647 927.
Patented by American Cyanamid Company, priority based on a patent application file in the United States of America on June 4, 1963, under No. 285 201, in the name of Thomas Frederick Waldron.

NCH-201 758 Field 11J

Gruber, V. N.; Klebanskii, A.L.; Degteva, T. G.; Kuzminskii, A. S.; Mikhailova, T. A.
EFFECT OF SUPRAMOLECULAR STRUCTURE ON THE THERMAL STABILITY OF SILOXANE ELASTOMERS. 1965, 7p. ATS-24S84R.
Order from ATS: $9.85 as ATS-24S84R

Trans. of Vysokomolekulyarnye Soedineniya (USSR) v7 n3 p462-7 1965.

TT-65-11753 Field 11J

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Order from SLA: $1.60 as TT-65-11753

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Trans. of Patent (Japan) pub. 39-26000.
Patent appl. Showa 36-14,905, by E. I. Du Pont de Nemour and Co., Wilmington, Del., USA, filed 28 Apr 61, pub. 17 Nov 64 (Priority: U. S., 28 Apr 60).

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Order from SLA: $1.60 as TT-65-12912

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Order from TC: $8.50 as TC-789

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L. Wood and paper products

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Neu, E.
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Order from SLA: $1.10 as TT-64-20637

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Order from SLA: $1.60 as TT-65-12853

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Order from SLA: $1.60 as TT-65-12860

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Order from SLA: $1.60 as TT-65-12886

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12 MATHEMATICAL SCIENCES

A. Mathematics and statistics

TT-64-71396 Field 12A

Vinograd, P. E.
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Available on loan from CFSTI as TT-64-71396

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Document is not reproducible and is available from Clearinghouse on loan only.

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DISCONTINUOUS SOLUTIONS IN THE CALCULUS OF VARIATIONS (Ueber die Diskontinuierlichen Loesungen in der Variationsrechnung). 28p, 7refs.
Order from SLA: $2.60 as TT-65-11663

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TT-65-32302 Field 12A, 20L, 7D, 7E, 20I, 20H

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CYBERNETICS IN THE SERVICE OF COMMUNISM. VOL. II. QUEUEING AND RELIABILITY THEORY. 18 May 65, 493p, 280refs. JPRS-30128.
Order from CFSTI or ETC: HC$7.92, MF$2.25 as TT-65-31010

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For table of contents, see the 'Translated Tables of Contents' section of this issue.

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13 MECHANICAL, INDUSTRIAL, CIVIL, AND MARINE ENGINEERING

A. Air conditioning, heating, lighting and ventilating

TT-65-12700 Field 13A

Golz, H.
DYNAMIC BEHAVIOUR OF SUPERHEATER CONTROL (Das Regeldynamische Verhalten Eines Heissdampf-Ueberhitzers). 20p.
Order from SLA: $1.60 as TT-65-12700

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Hansen, H.
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Order from SLA: $1.60 as TT-65-12911

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Dyckerhoff; Widmann, K. G.
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Mueller-Neuhaus, G.
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unter dem Gesichtspunkt der Rueckgewinnung und Wiederverwendung). 18p, (figs omitted).
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Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-31453.

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C. Construction equipment, materials and supplies

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Haas, K.
STANDARDISATION AND RESTRICTION OF TYPES IN CRANE CONSTRUCTION. PTS. I, II AND III. Jun 65. BISI-4189.
Order from BISI: L7 10s as BISI-4189

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TT-65-12744 Field 13C

Keil, F.
A SIMPLIFIED INTERPRETATION OF THE HYDRAULIC HARDENING OF CEMENT. 5p, 6refs.
Order from SLA: $1.10 as TT-65-12744

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Order from SLA: $1.10 as TT-65-12779

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USSR INDUSTRIAL DEVELOPMENT: SOVIET CONSTRUCTION MACHINERY NO. 84. 16 Aug 65, 7p. JPRS-31554.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-32050

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E. Couplings, fittings, fasteners and joints

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Order from BISI: L4 as BISI-4118

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F. Ground transportation equipment

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SOVIET TRANSPORTATION: TRANSLATIONS NO. 73. 14 Sep 64, 28p. JPRS-26376.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-64-41635

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Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

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Borodin, P.
THE 'ZIL-130' TRUCK NOW IN PRODUCTION. USSR Industrial Development: Soviet Automotive Industry no. 82. 2 Mar 65, 6p. JPRS-28945.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-30413

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TT-65-31604 Field 13F, 13M

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TT-65-32003 Field 13F, 13B

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H. Industrial processes

NCH-200 933 Field 13H

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AQUEOUS SILVERING SUSPENSIONS FOR A SINGLE FIRING PROCESS. 1965. TTIS-NS-399.
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NCH-201 105 Field 13H

PROCESS FOR REMOVAL OF OIL CARBON AND OTHER ORGANIC IMPURITIES FROM METAL SURFACES. 1965, 4p. TC-801.
Order from TC: $4.50 as TC-801

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NCH-201 435 Field 13H

Recker, B.; Buchmueller, H.
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Trans. of Energie (West Germany) v16 n9 p365-70 Sep 1964.

NCH-201 437 Field 13H, 11F

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NCH-201 446 Field 13H, 11F

Modl, E. K.
AUSTENITIC CAST IRONS FOR HIGH-AND LOW-TEMPERATURE SERVICE. Jun 65. BISI-4185.
Order from BISI: L7 10s as BISI-4185

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Trans. of Stahl und Eisen (West Germany) v85 n6 p353-64 1965.

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Tarnovskii, I. Ya.
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HAMMER MILL. 4p, (figs omitted)
Order from SLA: $1.10 as TT-64-20654

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TT-65-12020 Field 13H

Tretyakov, F. E.; Karan, A. B.; Valeev, S. N.
TECHNOLOGY OF ARC WELDING THIN SHEET STEEL WITH CARBON DIOXIDE SHIELDING. 6p.
Order from SLA: $1.10 as TT-65-12020

Trans. of Svarochnoe Proizvodstvo (USSR) n5 p20-2 1956.
Another trans. is available from HB $4.75 as HB-4779.

TT-65-12770 Field 13H

Groetschel, K. M.
CONNECTION FOR CLAMPING JAWS. 8p.
Order from SLA: $1.10 as TT-65-12770

Trans. of Patent (Germany) 1 177 100.
Patent application G 14,478 VI a/5c, filed 20 May 54, pub. 3 Sep 64.
Addition to patent 1,172,215, appl. G 13,631 VI a/5 c.

TT-65-12807 Field 13H

Beck, E.
PRACTICAL EXPERIENCE IN EXTRUSION WITH RAPID-RUNNING AUTOREGULABLE SCREWS. 6p, 1ref.
Order from SLA: $1.10 as TT-65-12807

Trans. of Plastverarbeiter (West Germany) v8 n1 p19-21 1957.

TT-65-30713 Field 13H, 13E, 11F

Popilov, L. Ya., ed.
VACUUM DIFFUSION WELDING OF HIGH-MELTING METALLOID COMPOUNDS WITH HIGH-MELTING METALS.
13 Apr 65, 13p, 8refs. JPRS-29550.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-65-30713

Trans. of mono. Novye Materialy v Mashinostroenii, Leningrad, 1964 p124-34.
Available copy will not permit fully legible reproduction.

TT-65-30848 Field 13H, 11F

Gurevich, S. M.; Kharchenko, G. K.
ELECTRON-BEAM WELDING OF CHROMIUM.
29 Apr 65, 8p, 7refs. JPRS-29812; N65-22705.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-65-30848

Trans. of Avtomaticheskaya Svarka (USSR) v15 n12 p56-9 1962.
See also 'Translated or Abstracted Publications,' section of this issue.

TT-65-30849 Field 13H, 1 F

Nazarenko, G. T.
HARDENING STEELS WITH AN ELECTRON BEAM.
29 Apr 65, 6p, 2refs. JPRS-29813; N65-22686.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-65-30849

Trans. of Metallovedenie i Termicheskaya Obrabotka Metallov (USSR) n5 p56-8 1964.
See also 'Translated or Abstracted Publications,' section of this issue.

TT-65-31061 Field 13H

Nekhendzi, Yu. A.
EFFECT OF VACUUM DEGASSING ON CASTING PROPERTIES OF ALLOYS. 24 May 65, 38p, 22refs.
JPRS-30212; N65-24688.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-65-31061

Trans. of mono. Fizike-Khimicheskie Osnovy Metallurgicheskikh Protsessov, Moscow, 1964.

TT-65-31600 Field 13H

Shen Ch'i-lin; Chou Yuan-chuang.
COMMUNIST CHINA'S INDUSTRY AND MATERIALS: TRANSLATIONS NO. 65. 15 Jul 65, 29p. JPRS-31102.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-65-65-31600

Trans. of Shang Hai Chi Hsieh (Chinese People's Republic) v3 n7 p10-14 1964 and from Kung Jen Jih Pao (Chinese People's Republic) 11, 13 Jun p1 1965.

TT-65-31845 Field 13H

Leibenzon, S. A.
ELECTROSLAG REMELTING AND METAL QUALITY.
2 Aug 65, 49p, 7refs. JPRS-31348.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-65-31845

Trans. of mono. Elektroshlakovyi Pereplav i Kachestvo Metalla, Moscow, p19-63 1965.

TT-65-32006 Field 13H, 2A

Chu Cheng-chuan
COMMUNIST CHINA'S INDUSTRY AND MATERIALS: TRANSLATIONS NO. 70. 11 Aug 65, 18p. JPRS-31510.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-65-32006

Trans. of 6 selected articles from 1965 issues of Communist Chinese periodicals and newspapers.

TT-65-62924 Field 13H

Simonik, A. G.
STABILIZATION OF ARC BURNING PROCESS (AC-ARC) AT ARGON-ARC WELDING OF STRUCTURAL STEEL. 28 Jul 65, 9p. FTD-TT-65-536; AD-619 319.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-619 319

Unedited rough draft trans. of Svarochnoe Proizvodstvo (USSR) n3 p29-30 1965.
See also 'Translated or Abstracted Publications,' section of this issue.

TT-65-62939 Field 13H, 11F

Grishin, V. L.; Grishina, A. D.
SPOT WELDING OF NIOBIUM. 4 Aug 65, 7p.
FTD-TT-65-613; AD-619 333.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-619 333

Edited trans. of Tsvetnye Metally (USSR) v37 n10 p67-8 1964.

I. Machinery and tools

NCH-201 764 Field 13I, 13H, 11F

Kononenko, V. G.; Smolovik, V. V.
EQUIPMENT AND PROCESS FOR HIGH-VELOCITY BRIQUETTING OF MACHINE-SHOP TURNINGS. Jun 65.
HB-6556.
Order from HB: $7.80 as HB-6556

Trans. of Kuznechno-Shtampovochnoe Proizvodstvo (USSR) v6 n9 p30-3 1964.

TT-64-51819 Field 13I

NEW DEVELOPMENTS IN MACHINE TOOL INDUSTRY. USSR Industrial Development: Soviet metalworking equipment no. 124. 30 Nov 64, 8p. JPRS-27589.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-64-51819

Trans. of Stanki i Instrument (USSR) v35 n8 p1-3 1964.

TT-65-29193 Field 13I

Papshev, D. D.
OBERFLACHENGUTE BEIM PRAGEPOLIEREN UND SEIN EINFLUSS AUF DIE LEBENSDAUER VON MASCHINENTEILEN. 10p.
Order from ETC or TIB: $1.10 as TT-65-29193

Trans. in German of Seminar po Kachestvu Poverkhnosti. Trudy (USSR) p102-7 1961.

TT-65-31110 Field 13I

Fokichev, B.
USSR INDUSTRIAL DEVELOPMENT: GENERAL INFORMATION ON SOVIET MACHINERY INDUSTRIES NO. 72. 28 May 65, 16p. JPRS-30302.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-31110

Trans. of 3 selected articles from 1965 issues of Russian periodicals and newspapers.

TT-65-32058 Field 13I

USSR INDUSTRIAL DEVELOPMENT: GENERAL INFORMATION ON SOVIET MACHINERY INDUSTRIES NO. 84. 16 Aug 65, 38p. JPRS-31562.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-65-32058

Contains translations of 9 selected articles and news briefs from 1965 issues of various Russian newspapers and periodicals.

TT-65-32194 Field 13I

USSR INDUSTRIAL DEVELOPMENT: SOVIET METAL-WORKING EQUIPMENT NO. 156. 25 Aug 65, 17p. JPRS-31699.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-32194

Contains translations of 6 selected articles from Jul 65 issues of various Russian newspapers.

J. Marine engineering

TT-65-12742 Field 13J

Ivanov, M. M.
CONFERENCE ON THE PROBLEM OF MARINE MAGNETIC SURVEYING. 4p.
Order from SLA: $1.10 as TT-65-12742

Trans. of Okeanologiya (USSR) v3 p752 1963.

TT-65-12743 Field 13J, 20K

Sander, O. ; Ulpe, A.
CALCULATION OF STEEL BOLLARDS UNDER SHOCK LOAD. 20p, 9refs.
Order from SLA: $1.60 as TT-65-12743

Trans. of Schiff und Hafen (West Germany) n1 p62-6 1959.

TT-65-30852 Field 13J

Lyusov, V. F.
EXPERIMENTAL STUDIES OF NOISE SUPPRESSORS FOR GENERAL MARINE VENTILATORS. 29 Apr 65, 12p, 2p. JPRS-29823; N65-22118.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-30852

Trans. of Sudostroenie (USSR) v26 n2 p29-33 1960.

TT-65-31317 Field 13J

Barabanov, N. V.; Petrischev, K. F.; Kozlyakov, V. V.; Plekhanov, Yu. V.; Lazarev, V. N.
STUDIES IN STRENGTH AND STRESS OF STRUCTURES OF MERCHANT VESSELS: IMPROVING CERTAIN DATA IN THE ANALYSIS OF STRESS CONCENTRATIONS AROUND OPENINGS IN SHIP STRUCTURES (AND) ON A STANDARD OF STRENGTH FOR MERCHANT VESSELS. 23 Jun 65, 23p, 11refs. JPRS-30756.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-31317

Trans. of Sudostroenie (USSR) v31 n2 p9-17 1965.

TT-65-31756 Field 13J, 13F

SOVIET TRANSPORTATION: TRANSLATIONS NO. 90. 27 Jul 65, 88p. JPRS-31259.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-65-31756

Contains translations of 20 selected articles from 1965 issues of various Russian newspapers and journals.

L. Safety engineering

TT-65-29168 Field 13L

Bazan, A. P.; Parfenenko, L. S.; Sevchenko, A. M.
UNTERSUCHUNG DES STAUBGEHALTS DER LUFT BEIM ABTEUFEN VON SEIGEREN SCHACHTEN. 4p.
Order from ETC or TIB: $1.10 as TT-65-29168

Trans. in German of Bezopasnost' Truda v Promyshlennosti (USSR) v7 n12 p26-7 1963.

TT-65-29192 Field 13L

Fedorov, N.S.; Akimova, A. A.
ANALYSE VON BETRIEBSUNFALLEN IN DER HOLZINDUSTRIE. 49p.
Order from ETC or TIB: $4.60 as TT-65-29192

Trans. in German of unidentified Russian language mono., Moscow, 1963.

M. Structural engineering

TT-65-11711 Field 13M, 13C

Murashev, V. I.
JOINTS AND CONNECTIONS IN PRECAST REINFORCED CONCRETE UNITS. 33p, 16refs.
Order from SLA: $3.60 as TT-65-11711

Trans. from mono. Designer's Handbook: Precast Concrete Structures, p160-75.

TT-65-12356 Field 13M

Mueller, W.
CONTRIBUTION TO THE BENDING THEORY OF THE MULTIPLY SUPPORTED FLOOR SLAB (Beitrag zur Biegungstheorie der Mehrfeldplatte). 21p.
Order from SLA: $2.60 as TT-65-12356

Trans. of Oesterreichisches Ingenieur-Archiv (Austria) v8 n1 p1-10 1954.

TT-65-32015 Field 13M, 13B, 13C

SOVIET CONSTRUCTION AND BUILDING MATERIALS INDUSTRY: TRANSLATIONS NO. 79. 11 Aug 65, 106p. JPRS-31519.
Order from CFSTI or ETC: HC$4.00, MF$0.75 as TT-65-32015

Trans. of 23 selected articles from 1965 issues of Russian periodicals and newspapers.

14 METHODS AND EQUIPMENT

B. Laboratories, test facilities, and test equipment

TT-65-27661 Field 14B

Bolotov, V. N.; Devishev, M. I.
RENDEMENT D'UNE CHAMBRE D'ETINCELLES DANS LA DETECTION. 7p, 6refs. CNRS-X 817.
Order from ETC: $1.10 as TT-65-27661

Trans. in French of Zhurnal Eksperimentalnoi i Teoreticheskoi Fiziki (USSR) v46 n6 p1990-5 1964.
Also available from CNRS.
See also 'Translated or Abstracted Publications,' section of this issue.

TT-65-27682 Field 14B

Butslov, M. M.; Komarov, V. I.
CAMERA ISOTROPIQUE A DECHARGE POUR ENREGISTREMENT DES TRAJECTOIRES DE PARTICULES POSITIVES. 5p, 6refs. CNRS-XIX 69.
Order from ETC: $1.10 as TT-65-27682

Trans. in French of unidentified Russian language article, n.d.

TT-65-30309 Field 14B

OPTICO-ACOUSTIC GAS ANALYZERS OF CARBON MONOXIDE, CARBON DIOXIDE AND METHANE, OA2109, OA2209, OA2309. DESCRIPTION AND INSTRUCTIONS FOR A ASSEMBLING AND OPERATION, NO. 2266-2291 IM. 11 Feb 65, 29p. JPRS-28710.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-65-30309

Trans. of mono. Optiko-Akusticheskie Gazoanalizatory na Okis Ugleroda i Metan, p1-25.

TT-65-30917 Field 14B, 2A

COMMUNIST CHINA'S SCIENCE AND TECHNOLOGY: TRANSLATIONS NO. 176. 5 May 65, 30p. JPRS-29933.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-65-30917

Translations of 6 selected articles Dec 64 issues of various Communist Chinese newspapers and periodicals.

TT-65-63104 Field 14B, 9E

Besekerskii, V. A.; Paltov, I. P.; Fabrikant, E. A.; Federov, S. M.; Chinaev, P. I.
COLLECTION OF PROBLEMS ON THE THEORY OF AUTOMATIC CONTROL. 9 Jun 65, 392p, 39refs. FTD-TT-65-289; AD-619 481.
Available on loan from CFSTI as TT-65-63104

Unedited rough draft trans. of mono. Sbornik Zadach po Teorii Avtomaticheskogo Regulirovaniia, Moscow, 1963. Document is not reproducible and is available from the Clearinghouse on loan only.

TT-65-63328 Field 14B

Mikheev, V. Ya.; Vasilev, V. G.; Ryabokon, M. P.; Sukhov, V. S.
DEVICE FOR CONTROLLING A WIND TUNNEL. 28 Jun 65, 6p. FTD-TT-65-202; AD-620 092.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-620 092

Unedited rough draft trans. of Patent (USSR) 145 921. Patent appl. no. 673460/25, 13 Jul 60.
Available copy will not permit fully legible reproduction.

TT-65-63329 Field 14B

Novikov, V. A.; Filippov, V. M.
FITTING FOR A THERMOANEMOMETER. 28 Jun 65, 5p. FTD-TT-65-204; AD-620 093.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-620 093

Unedited rough draft trans. of Patent (USSR) 157 566. Patent appl. no. 810867/26-10, 29 Dec 62. Available copy will not permit fully legible reproduction.

TT-65-63331 Field 14B

Ovchinnikov, V. N.
GAUGE FOR MEASURING CONTINUOUSLY VARYING PRESSURE. 29 Jun 65, 6p. FTD-TT-65-231; AD-620 095.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-620 095

Unedited rough draft trans. of Patent (USSR) 146 387. Patent appl. no. 732231/40-23, 27 May 61.

C. Recording devices

TT-65-11555 Field 14C

Fix, H.; Habermann, W.
OPTIMUM DESIGN OF THE FM-CHANNEL IN MAGNETIC TAPE RECORDERS FOR THE 625-LINE SYSTEM. 13p.
Order from SLA: $1.60 as TT-65-11555

Trans. of mono. Institut fuer Rundfunktechnik (West Germany) 1962.

TT-65-62921 Field 14C, 9E

Kuligin, I. N.; Fadeev, I. K.
AUTOMATIC SYSTEM FOR RECORDING THE AMPLITUDE

AND PHASE CHARACTERISTICS OF DIAGRAMS OF ANTENNA DIRECTIONALITY. 28 Jul 65, 5p.
FTD-TT-65-499; AD-619 316.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-619 316

Unedited rough draft trans. of Patent (USSR) 163 224.
Patent appl. no. 784909/26-9, 3 Jul 62.

E. Reprography

NCH-201 702 Field 14E

Limantov, I. A.; Cherkasov, Yu. A.
DOUBLE PHOTOCONDUCTING LAYERS WITH A LONG DARK DECAY PERIOD OF THE SURFACE CHARGE. 1965, 6p. ATS-02S85R.
Order from ATS: $11.50 as ATS-02S85R

Trans. of Zhurnal Nauchnoi i Prikladnoi Fotografii i Kinematografii (USSR) v8 n6 p449-54 1963.
Another trans. is available from SLA $1.60 as TT-64-16698, p12.

NCH-201 752 Field 14E

Yoshida, K.; Kawamura, T.; Itakura, Y.
CHARGING CHARACTERISTICS OF PHOTOCONDUCTING PLATES. 1965, 9p. ATS-82R84J.
Order from ATS: $12.65 as ATS-82R84J

Trans. of Denshi Shashin (Japan) v6 n2 p26-31 1965.

TT-65-11773 Field 14E

Kawasaki, M.; Tomoda, Y.
PHOTOGRAPHIC CHARACTERISTICS OF SILVER SALTS OF ORGANIC ACIDS. REPORT NO. 1. PHOTOSENSITIVITY OF FATTY ACID SILVER SOAP EMULSIONS. 24p, 10refs.
Order from SLA: $2.60 as TT-65-11773

Trans. of Tokyo Kogyo Shikensho Hokoku (Japan) v56 n6 p241-52 1961.

TT-65-11774 Field 14E

Khalameizer, M. B.
CONTROL AND AUTOMATIC REGULATION OF CONSUMPTION AND LEVEL OF PROCESSING SOLUTIONS. CHAPTER VIII, SECT. 1. CONTROL AND ADJUSTMENT OF CONSUMPTION. 15p.
Order from SLA: $1.60 as TT-65-11774

Trans. from mono. Elementy Avtomatiki v Protsessakh Obrabotki Kinoplenki, Moscow, 1961 p161-70.
Elements of Automation in Motion Picture Processes.

TT-65-11949 Field 14E

Shishido, C.; Yonezawa, Y.; Kikuchi, I.; Wada, M.; Takahashi, M.
DYE SENSITIZATION OF ZINC OXIDE. IV. 14p, (figs omitted) 8refs.
Order from SLA: $1.60 as TT-65-11949

Trans. of Denshi Shashin (Japan) v5 n3 p31-8 1964.

TT-65-11950 Field 14E

Kiwaki, H.; Komeiji, S.; Nakasone, H.
TRANSFER OF THE ELECTROPHOTOGRAPHIC LATENT IMAGE. 6p, (figs omitted) 4refs.
Order from SLA: $1.10 as TT-65-11950

Trans. of Denshi Shashin (Japan) v5 n3 p26-30 1964.

TT-65-11951 Field 14E

Inoue, E.; Yamaguchi, T.
THE EFFECT OF ELECTRON-AFFINITIVE MOLECULES AND STATIC ELECTRIFICATION OF ZINC OXIDE-RESIN LAYER. 14p, (figs omitted) 8refs.
Order from SLA: $1.60 as TT-65-11951

Trans. of Denshi Shashin (Japan) v5 n3 p7-13 1964.

TT-65-12719 Field 14E

VIDEO RECORDER 3400. A NEW DEVICE FOR MAGNETIC PICTURE RECORDING. 10p.
Order from SLA: $1.10 as TT-65-12719

Trans. of die Kino-Technik (Germany) n12 p294-8 1964.

TT-65-12858 Field 14E

GLASS CATHODIC TUBE FOR REPRODUCTION OF IMAGES (Tube Cathodique en Verre pour Reproduction d'Images). 15p, (foreign text included).
Order from SLA: $1.60 as TT-65-12858

Trans. of Patent (Belgium) 609 841.
Patented by N. V. Philips' Gloeilampenfabrieken, filed 31 Oct 61 (Priority: Netherlands, 3 Nov 60).

TT-65-63333 Field 14E, 8B

Kiselev, V. B.
METHOD FOR SYNCHRONIZATION OF THE FILM TRANSPORT VELOCITY WITH THE IMAGE VELOCITY IN A SLOTTED AERIAL CAMERA. 27 May 65, 6p.
FTD-TT-65-490; AD-620 097.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-620 097

Unedited rough draft trans. of Patent (USSR) 160 944.
Patent appl. no. 823849/26-10, 8 Mar 63.

15 MILITARY SCIENCES

B. Chemical, biological, and radiological warfare

TT-65-63089 Field 15B

Pryadko, I.
ON THE ROAD, CHEMISTS-EXPLORERS. 23 Jul 65, 8p. FTD-TT-65-535; AD-619 466.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-619 466.

Unedited rough draft trans. of Voennyi Vestnik (USSR) n3 p40-2 1961.

C. Defense

TT-65-31848 Field 15C, 15F, 15A

SOVIET MILITARY TRANSLATIONS NO. 193. 2 Aug 65, 87p. JPRS-31351.
Order from CFSTI or ETC: HC$3.00, MF$0.75
as TT-65-31848

Trans. of 10 selected articles from 1965 issues of Russian periodicals and newspapers.

D. Intelligence

TT-65-63118 Field 15D, 5D

Rakhmanov, M. I.; Aleshin, A. M.
THE GERMAN FEDERAL REPUBLIC, THE NEST OF IMPERIALIST ESPIONAGE. 9 Jan 64, 214p.
FTD-MT-63-258; AD-619 543.
Available on loan from CFSTI as TT-65-63118

Edited machine trans. of mono. FRG; Genezdo Imperialisticheskogo Shipionazha, Moscow, 1962 p3-184. Document is not reproducible and is available from the Clearinghouse on loan only.

G. Operations, strategy, and tactics

TT-65-31758 Field 15G, 20E, 16D, 22A, 1C, 21E

SOVIET MILITARY TRANSLATIONS NO. 192. 27 Jul 65, 61p. JPRS-31261.
Order from CFSTI or ETC: HC$3.00, MF$0.75
as TT-65-31758

Trans. of 10 selected articles from 1965 issues of various Russian newspapers and periodicals.

16 MISSILE TECHNOLOGY

No Entries

17 NAVIGATION, COMMUNICATIONS DETECTION AND COUNTERMEASURES

B. Communications

NCH-201 122 Field 17B, 14C

RECORDING MATERIAL FOR THE RECORDING OF HIGH FREQUENCY ELECTRICAL SIGNALS (Addition to application T20077 IXa/57b). 1965, 3p, 1ref. TC-823.
Order from TC: $3.50 as TC-823

Trans. of Patent (Germany) 1 182 956.
Patented 3 Dec 64 by Telefunken Patentverwertungsgellschaft m.b.H.

TT-65-31053 Field 17B, 17G

Pavlov, A.
THE 'DECCA' RADIO NAVIAGATION SYSTEM IN MARINE NAVIGATION. 24 May 65, 14p. JPRS-30201; N65-24350.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-31053

Trans. of Morskoi Flot (USSR) v25 n2 p24-7 1965.

TT-65-31321 Field 17B

Sudakov, N.
TWENTIETH ANNIVERSARY OF THE SOCIETY NAMED AFTER A. S. POPOV. 23 Jun 65, 7p. JPRS-30760.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-65-31321

Trans. of Nauchno-Tekhnicheskie Obshchestva SSSR, v7 n4 p61-3 1965.

TT-65-32077 Field 17B

USSR COMMUNICATIONS: TRANSLATIONS NO. 56. 17 Aug 65, 34p. JPRS-31581.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-65-32077

Contains translations of 10 selected articles from Jun 65 issues of various Russian newspapers.

G. Navigation and guidance

TT-65-63112 Field 17G, 13J

MANUAL OF SHIPBORNE MEDIA FOR RADIO NAVIGATION AND COMMUNICATION: EXTRACTS OF TECHNICAL DATA. 23 Jul 65, 32p. FTD-TT-65-829; AD-619 489.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as AD-619 489

Unedited rough draft trans. of mono. Spravochnik po Sudovym Sredstvam Elektroradionavigatsii i Svyazi (Izdanie Vtoroe, Pererabotannoe i Dopolnennoe), Moscow 1960 49p.

18 NUCLEAR SCIENCE AND TECHNOLOGY

B. Isotopes

TT-65-31325 Field 18B

Draskovic, R.
RADIOACTIVE ISOTOPE PRODUCTION DEVELOPMENT AT THE BORIS KIDRIC INSTITUTE IN VINCA. 23 Jun 65, 11p, 34refs. JPRS-30769; N65-26355.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-65-31325

Trans. of Tehnika (Yugoslavia) v20 n4 p650-2 1965.

TT-65-31326 Field 18B, 18H

YUGOSLAV SYMPOSIUM ON THE APPLICATION OF RADIOACTIVE ISOTOPES AND RADIATION IN THE ECONOMY (NO. 3). 23 Jun 65, 26p. JPRS-30770.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-65-31326

Trans. of Tehnika (Yugoslavia) v20 n4 p637-44 1965.

TT-65-31327 Field 18B

Teofilovski, C.
YUGOSLAV RADIOACTIVE PRODUCTS FOR INDUSTRIAL USES. 23 Jun 65, 19p, 25refs.
JPRS-30771; N65-271 4
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-65-31327

Trans. of Tehnika (Yugoslavia) v20 n4 p644-9 1965.

H. Radioactivity

TT-65-12620 Field 18H, 20H, 7E

Ivanova, N. S.; Pyanov, I. I.
FISSION OF URANIUM NUCLEI BY HIGH ENERGY PROTONS (Delenie Yader Urana Protonami Vysokikh Energii). 19p, 18refs.
Order from SLA: $1.60 as TT-65-12620

Trans. of Zhurnal Eksperimentalnoi i Teoreticheskoi Fiziki (USSR) v31 n3 (9) p416-23 1956.
See also 'Translated or Abstracted Publications,' section of this issue.

I. Reactor engineering and operation

TT-65-30374 Field 18I, 18J

Klik, F.; Berak, L.; Kovanic, P.; Musilek, Fr.
NUCLEAR RESEARCH AND NUCLEAR TECHNOLOGY IN CZECHOSLOVAKIA. 23 Feb 65, 21p, 19refs.
JPRS-28856.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-65-30374

Trans. of Kernenergie (East Germany) v7 n12 p838-45 1964.

19 ORDNANCE

E. Fire control and bombing systems

TT-65-63085 Field 19E, 20F

Feldman, G. A.
METHOD OF COMBINING OPTICAL TRANSMITTING AND RECEIVING TRACTS OF LIGHT RANGE FINDERS. 11 Aug 65, 6p. FTD-TT-65-210; AD-619 454.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-619 454

Unedited rough draft trans. of Patent (USSR) 146 503. Patent appl. no. 722 648/26-10 21 Mar 61.

20 PHYSICS

TT-65-31753 Field 20-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS NO. 90. 27 Jul 65, 46p. JPRS-31256.
Order from CFSTI or ETC: HC$2.00, MF$0.50
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Trans. of abstracts of articles from Communist Chinese scientific journals, as well as translations of abstracts pertaining to Communist China published in the various series of the Soviet Referativnyi Zhurnal.

A. Acoustics

TT-65-11744 Field 20A

Venzke, G.
COMPARISON OF METHODS FOR OBTAINING A DIFFUSE SOUND FIELD IN REVERBERATION ROOM MEASUREMENTS. 11p, 6refs.
Order from SLA: $1.60 as TT-65-11744

Trans. of Acustica (Switzerland) v14 n6 p360-4 1964.

C. Electricity and magnetism

TT-65-12704 Field 20C

Popov, V. M.
STABILITY CRITERIA FOR AUTOMATIC SYSTEMS CONTAINING ELEMENTS SHOWING CHARACTERISTICS OF HYSTERESIS. 13p, 12refs.
Order from SLA: $1.60 as TT-65-12704

Trans. of mono. Probleme de Automatizare. Pub. by Academia Republicii Populare Romine, 13 Oct 1960.

TT-65-12711 Field 20C

Podolskii, E. N.
DIFFRACTION OF AN ELECTROMAGNETIC WAVE INCIDENT AT AN ARBITRARY ANGLE ON A FLAT METAL GRAFTING. 10p, 1ref.
Order from SLA: $1.10 as TT-65-12711

Trans. of Kharkov U. Fakulta Mekhaniki ta Matematiki ta Kharkovskoi Matematicheskoi Obshchestvo. Zapisk. (USSR) v30 (s4) p116-25 1964.

TT-65-12712 Field 20C

Ufimtsev, P. Ya.
DIFFRACTION BY A THIN CYLINDRICAL WIRE. 45p, 92refs.
Order from SLA: $4.60 as TT-65-12712

Trans. from mono. Edge Wave Method in the Physical theory of Diffraction, Chapter 7, pub. by Sovetskoi Radio Press, Moscow, 1962.

TT-65-12794 Field 20C

Brackmann, J.; Kusterer, W.; Metzdorf, W.
ON THE INFLUENCE OF THE EDGES ON THE MAGNETIZATION-REVERSAL BEHAVIOR OF THIN PERMALLOY

SHEET. 31p, 16refs.
Order from SLA: $3.60 as TT-65-12794

Trans. of Zeitschrift fuer Angewandte Physik (West Germany) v13 n7 p313-31 1961.

TT-65-12839 Field 20C

Fahlenbrach, H.
MODERN PERMANENT-MAGNET DEVELOPMENTS. PT I (Neuere Dauermagnetentwicklungen. Teil 1). 22p, (foreign text included) 42refs.
Order from SLA: $2.60 as TT-65-12839

Trans. of Archiv fuer Technisches Messen und Industrielle Messtechnik (West Germany) v336 nZ 912-7 p17-22 1964.

TT-65-12840 Field 20C

Fahlenbrach, H.
RECENT PERMANENT-MAGNET DEVELOPMENTS. PT II (Neuere Dauermagnetenwicklungen. Teil II). 16p, (foreign text included).
Order from SLA: $1.60 as TT-65-12840

Trans. of Archiv fuer Technisches Messen und Industrielle Messtechnik (West Germany) v337 nZ 912-8 p43-6 1964.

TT-65-12846 Field 20C

Blandin, A.; Friedel, J.
MAGNETIC PROPERTIES OF DILUTED ALLOYS. MAGNETIC INTERACTIONS AND ANTIFERROMAGNETISM IN ALLOYS OF THE NOBLE METAL-TRANSITION METAL-TYPE. 30p, 2refs.
Order from SLA: $1.60 as TT-65-12846

Trans. of Journal de Physique et le Radium (France) v20 n2/3 p160-8 1959.
Another trans. is available from AEC as AEC-tr-5726, 14p.

TT-65-12875 Field 20C

Grunewald, H.
THE ELECTRICAL CONDUCTIVITY OF Fe2O3 HAVING ADDITIONS OF TiO2 (Die Elektrische Leitfaehigkeit von Fe2O3 mit Zusaetzen von TiO2). 14p, (foreign text included) 6refs.
Order from SLA: $1.60 as TT-65-12875

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TT-65-63280 Field 20C, 14B

Voronin, V. S.; Kanunnikov, V. N.
A HIGH-SPEED TRANSISTORIZED MAGNETOMETER (Bystrodeistvuyushchii Magnitometr na Tranzistorakh). 18 Aug 65, 10p, 5refs. ATD-T-65-63; AD-619 864.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-619 864

Trans. of Pribory i Tekhnika Eksperimenta (USSR) v10 n2 p160-3 1965.
See also 'Translated or Abstracted Publications,' section of this issue.
Available copy will not permit fully legible reproduction.

D. Fluid mechanics

TT-65-12908 Field 20D

Gasparyan, M.; Zaminyan, A. A.
HINDERED SETTLING OF PARTICLES. HINDERED SETTLING OF MONODISPERSED SPHERICAL PARTICLES. 20p, (figs tables formulae omitted).
Order from SLA: $1.60 as TT-65-12908

Trans. of Akademiya Nauk Armyanskoi SSR, Erevan. Izvestiya. Seriya Tekhnicheskikh Nauk, v12 n5 p31-45 1959.

TT-65-62032 Field 20D, 21D

Lyshevskii, A. S.
THE COEFFICIENT OF FREE TURBULENCE IN A JET OF ATOMIZED LIQUID FUEL (K Voprosu o Koeffitsient Svobodnoi Turbulentnosti Strui Raspylennogo Zhidkogo Topliva). Apr 65, 11p, 5refs.
NASA-TT-F-351; N65-20990.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as N65-20990

Trans. of Politeknicheskii Institut, Novocherkassk. Trudy (USSR) v33(47) p239-48 1956.

E. Masers and lasers

TT-65-63282 Field 20E, 20L

SOVIET SEMICONDUCTOR LASER RESEARCH: COMPREHENSIVE REPORT. 20 Jul 65, 66p, 35refs.
ATD-P-65-52; AD-619 883.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as AD-619 883

Rept. on Surveys of Soviet-Bloc Scientific and Technical Literature.

F. Optics

TT-65-12511 Field 20F

Lauerer, D.; Pestemer, M.
FILTER MASS OR LAYER PROTECTING AGAINST ULTRAVIOLET LIGHT. 3p.
Order from SLA: $1.10 as TT-65-1251

Trans. of Patent (Germany) 1 087 902.
Patented by Farbenfabriken Bayer A. G., Leverkusen Bayerwerk., filed 19 June 56, granted 25 Aug 60.

TT-65-12756 Field 20F

Koppelmann, G.; Krause, H.
MAGNETIC FINE ADJUSTMENT OF A PEROT-FABRY INTERFEROMETER (Eine Magnetische Feinjustierung fuer ein Perot-Fabry-Interferometer). 14p, 4refs.
Order from SLA: $1.60 as TT-65-12756

Trans. of Optik (West Germany) v20 n9/10 p475-80 1963.

TT-65-12810 Field 20F, 20E

Kuznetsov, A. A.; Mash, D. I.; Milinkis, B. M.; Chirina, L. P.

OPERATION OF OPTICAL MASER CONTAINING MIXTURES OF Ne-He AND Xe-He. 10p, 13refs.
Order from SLA: $1.10 as TT-65-12810

Trans. of Radiotekhnika i Elektronika (USSR) v9 n10 p1893-7 1964.
See also 'Translated or Abstracted Publications,' section of this issue.

TT-65-31742 Field 20F, 20I

EXPERIMENTAL STUDY ON MODELS OF THE TEMPERATURE FIELDS OF FUEL ELEMENTS IN THE ACTIVE ZONE AND SHIELD OF THE BN-350 REACTOR. 26 Jul 65, 24p. JPRS-31245.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-31742

Trans. of mono. Eksperimentalnoe Issledovanie Modelyakh Poley Temperaturi Teplovydelyayushchikh Elementov Aktivnoi Zoni i Ekrana Reaktora BN-350, Obninsk, Apr 1965 p1-22.
For table of contents, see the 'Translated Tables of Contents' section of this issue.

TT-65-32231 Field 20F, 8E

Feldman, G. A.; Shirov, P. V.
THE 'KRISTALL' LIGHT RANGE FINDER. 26 Aug 65, 11p. JPRS-31736.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-32231

Trans. of Geodeziya i Kartografiya (USSR) n6 p9-14 1965.

TT-65-50005 Field 20F, 4A, 3B

Fesenkov, V. G. ed.
SCATTERING AND POLARIZATION OF LIGHT IN THE ATMOSPHERE (Rasseyanie i Polyarizatsiya Sveta v Zemnoi Atmosfere). Proceedings of the Conference held at Alma-Ata, Oct 61. 1965, 232p. SFCSI Comm (TT-65-50005).
Order from CFSTI: HC$6.00 as TT-65-50005

Trans. of Akademiya Nauk Kazakhskoi SSR, Alma-Ata. Astrofizicheskii Institut. Trudy, v3 246p 1962.
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TT-65-62033 Field 20F, 8C

Bramson, M. A.; Zelmanovich, I. L.; Kuleshova, G. I.
THE EMISSIVE POWER OF WATER IN THE INFRARED REGION OF THE SPECTRUM (Izluchatelnaya Sposobnost Vody v Infrakrasnoi Oblasti Spektra). Apr 65, 41p, 4refs. NASA TT F-319; N65-20882.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as N65-20882

Trans. of Glavnaya Geofizicheskaya Observatoriya, Leningrad. Trudy (USSR) n152(214) p31-67 1964.

TT-65-63033 Field 20F

Deryugin, L. N.
SURFACE RESONANCE ON A REFLECTING GRID. 3 Aug 65, 10p, 2refs. FTD-TT-65-566; AD-619 429.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-619 429

Unedited rough draft trans. of Akademiya Nauk SSSR. Doklady, v94 n2 p203-6 1954.

TT-65-63035 Field 20F

Brekhovskikh, L. M.
DIFFRACTION OF ELECTROMAGNETIC WAVES ON AN UNEVEN SURFACE. 3 Aug 65, 9p, 4refs. FTD-TT-65-569; AD-619 431.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-619 431

Unedited rough draft trans. of Akademiya Nauk SSSR. Doklady, v81 n6 p1023-6 1951.

H. Particle physics

TT-65-12628 Field 20H

Kankeleit, E.
INVESTIGATION OF CONVERSION ELECTRONS IN MOSSBAUER EFFECT ON TUNGSTEN 182 WITH A MAGNETIC SPECTROMETER. 15p, 15refs.
Order from SLA: $1.60 as TT-65-12628

Trans. of Zeitschrift fuer Physik (West Germany) v164 n4 p442-55 1961.

TT-65-27692 Field 20H

Filatov, E. S.; Nesmeyanov, A. N.
INFLUENCE DU PROCESSUS DE TRANSMISSION DE L'ENERGIE D'EXCITATION SUR LE RENDEMENT DES REACTIONS DES ATOMES CHAUDS (DE HAUTE ENERGIE). 9p, 16refs. CNRS-VIIIbis 1149.
Order from ETC: $1.10 as TT-65-27692

Trans. in French of Moscow U. Vestnik. Seriya 2: Khimiya (USSR) v19 n4 p13-8 1964.
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TT-65-63110 Field 20H, 20J

Yen, Lu
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Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-619 487

Edited trans. of Wu Li Hsueh Pao (Chinese People's Republic) v18 n9 p483-5 1962.

I. Plasma physics

TT-65-11655 Field 20I

Meissner, K. W.; Luft, K. F.
THE STRUCTURE OF THE D-TERMS OF THE SODIUM ARC SPECTRUM (Die Struktur der D-Terme des Natriumbogenspektrums). 12p, 11refs.

Order from SLA: $1.60 as TT-65-11655

Trans. of Akademie der Wissenschaften, Berlin. Physikalisch-Mathematische Klasse. Sitzungsberichte (Germany) n9-12 p118-24 1937.

TT-65-62926 Field 20I

Polak, L. S.; Khant, Yu. L.
SOME QUESTIONS OF THE KINETICS OF CHEMICAL REACTIONS IN PLASMA JETS. 29 Jul 65, 14p, 9refs.
FTD-TT-65-541; AD-619 321.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-619 321

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K. Solid mechanics

TT-65-12411 Field 20K

L'Hermite, R.
NOTES ON VISCOSITY, PLASTICITY, AND INTERNAL FRICTION. 7p.
Order from SLA: $1.10 as TT-65-12411

Trans. of Institut Technique du Batiment et des Travaux Publics, Paris. Annales (France) n8(ns) p1-6 1948. Partial trans. of p1-3.

TT-65-12640 Field 20K

Goncharenko, V. M.
APPLICATION OF MARKOV PROCESSES IN THE STATISTICAL THEORY OF STABILITY OF SHELLS. 6p, 7refs.
Order from SLA: $1.10 as TT-65-12640

Trans. of Ukrainskii Matematicheskii Zhurnal (USSR) v14 n2 p198-202 1962.

TT-65-12642 Field 20K

Kuzma, V. M.
DYNAMIC STABILITY OF AN ELASTIC STRUCTURE UNDER THE EFFECT OF A TANGENTIAL RANDOMLY VARYING FORCE. 6p, 4refs.
Order from SLA: $1.10 as TT-65-12642

Trans. of Prikladna Mekhanika (USSR) v10 n5 p503-7 1964.

TT-65-12727 Field 20K

Vasilkov, B. S.; Minaev, L. S.
ON THE STABILITY OF RECTANGULAR SHALLOW SHELLS OF DOUBLE CURVATURE. 7p, 5refs.
Order from SLA: $1.10 as TT-65-12727

Trans. of Inzhenernyi Zhurnal (USSR) v4 n3 p566-70 1964. See also 'Translated or Abstracted Publications,' section of this issue.

TT-65-12776 Field 20K

Dvorak, J.
STRESSES IN A PLATE WEAKENED BY A SQUARE GRID OF CIRCULAR OPENINGS. 22p, 12refs.
Order from SLA: as TT-65-12776

Trans. of Aplikace Matematiky (Czechoslovakia) v8 n3 p180-96 1963.

TT-65-12814 Field 20K

Bolotin, V. V.
DYNAMIC EDGE EFFECT IN THE ELASTIC VIBRATIONS OF PLATES. 13p, 10refs.
Order from SLA: $1.60 as TT-65-12814

Trans. of Akademiya Nauk SSSR, Institut Mekhaniki Inzhenernyi Sbornik, v31 p3-14 1961.

TT-65-12816 Field 20K

Kardzhiev, N. V.
CANONICAL EQUATIONS OF STRING STRUCTURES. 16p, 2refs.
Order from SLA: $1.60 as TT-65-12816

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TT-65-12817 Field 20K

Karimbaev, T. D.
ON THE STABILITY OF CONICAL AND CYLINDRICAL SHELLS UNDER THE COMBINED EFFECT OF AXIAL COMPRESSION AND AN EXTERNAL VARIABLE PRESSURE. 4p, 2refs.
Order from SLA: $1.10 as TT-65-12817

Trans. of Inzhenernyi Zhurnal (USSR) v4 n3 p571-2 1964. See also 'Translated or Abstracted Publications,' section of this issue.

TT-65-12827 Field 20K

Kuzin, P. A.
ON THE DYNAMICS OF A RIGIDLY-PLASTIC FINITE CYLINDRICAL SHELL. 14p, 3refs.
Order from SLA: $1.60 as TT-65-12827

Trans. of Akademiya Nauk SSSR, Izvestiya. Mekhanika i Mashinostroenie, n2 p105-15 1964.

TT-65-12828 Field 20K

Kabanov, V. V.
STABILITY OF A CIRCULAR CYLINDRICAL SANDWICH SHELL UNDER NONUNIFORM COMPRESSION. 7p, 8refs.
Order from SLA: $1.10 as TT-65-12828

Trans. of Akademiya Nauk SSSR, Izvestiya. Mekhanika i Mashinostroenie, n4 p116-9 1964.

TT-65-12830 Field 20K

Leites, S. D.
NONLINEAR ELASTICITY AND FINITE DEFORMATIONS IN PROBLEMS OF STABILITY. 23p, 11refs.
Order from SLA: $2.60 as TT-65-12830

Trans. of Raschet Prostranstvennykh Konstruktsii (USSR) v6 p299-314 1962.

TT-65-27659 Field 20K

Deryagin, B. V.; Ratner, S. B.; Futran, M. F.
ETUDE DE LA LIAISON RECIPROQUE DES FORCES DE FROTTEMENT ET D'ADHESION PAR LE PROCEDE DES FILS CROISES. 8p, 9refs. CNRS-VIIIbis 1160.
Order from ETC: $1.10 as TT-65-27659

Trans. in French of Akademiya Nauk SSSR. Doklady, v92 n6 p1137-40 1953.
Also available fron CNRS.

TT-65-29206 Field 20K

Tkachev, S. M.
DIE KINEMATIK EBENER MECHANISMEN LANDWIRTSCHAFTLICHER MASCHINEN UNTER BERUCKSICHTIGUNG DES SPIELS IN UMLAUFENDEN PAAREN. 45p.
Order from ETC or TIB: $4.60 as TT-65-29206

Trans. in German of Azovo-Chenomorskii Institut Mekhanizatsii i Elektrifikatsii Sel'skogo Khozyaistva. Sbornik Nauchno-Tekhnicheskikh Rabot (USSR) v7 p56-100 1954.

TT-65-29207 Field 20K

Dyachenko, P. E.; Tolkacheva, N. N.; Andreev, G. A.
DIE TATSACHLICHE BERUHRUNGSFLACHE BEI SICH UNTER DRUCK BERUHRENDEN OBERFLACHEN. 95p.
Order from ETC or TIB: $8.60 as TT-65-29207

Trans. in German of unidentified Russian language mono., Moscow, 1963.

L. Solid-state physics

TT-64-51654 Field 20L

Terenin, A. N.; Putseyko, E. K.; Akimov, I. A.; Meshkov, A. M.
EFFECT OF THE STATE OF AGGREGATION OF DYES ON THE PHOTO-CURRENT CARRIER SIGN. 17 Nov 64, 8p, 17refs. JPRS-27398.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-64-51654

Trans. of Akademiya Nauk SSSR. Doklady, v155 n4 p900-3 1964.

TT-65-10884 Field 20L

Radautsan, S. I.
INVESTIGATION OF SEVERAL COMPLEX SEMICONDUCTING SOLID SOLUTIONS AND COMPOUNDS ON AN INDIUM BASE. 18p, 26refs.
Order from SLA: $1.60 as TT-65-10884

Trans. of Czechoslovak Journal of Physics, v12 n5 p382-91 1962 also pub. in Sbornik Chekhoslovatskykh Khimicheskykh Rabot, V19 p1 71-4 1954.
See also TT-63-18159, 6p.

TT-65-11931 Field 20L

Tarbes, M. P.
INDUSTRIAL CADMIUM SULFIDE PHOTORESISTANCES. 24p.
Order from SLA: $2.00 as TT-65-11931

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Gobrecht, H.; Meinhardt, O.; Lerche, M.
POTENTIAL DEPENDENCE OF THE SURFACE RECOMBINATION VELOCITY ON Ge. 22p, (refs omitted).
Order from SLA: $2.60 as TT-65-12276

Trans. of Deutsche Bunsengesellschaft fuer Physikalische Chemie. Berichte (West Germany) v67 n5 p486-93 1963.
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TT-65-12308 Field 20L

Gobrecht, H.; Meinhardt, O.; Schulz, L.
ON THE BEHAVIOR OF SEMICONDUCTOR ELECTRODES WITH TWO ELECTROLYTE CONTACTS. 27p, 15refs.
Order from SLA: $2.60 as TT-65-12308

Trans. of Deutsche Bunsengesellschaft fuer Physikalische Chemie. Berichte (West Germany) v67 n2 p156-64 1963.
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TT-65-12322 Field 20L

Mesnard, G.; Eymann, C.
ELECTRONIC PROPERTIES OF MONOCRYSTALS OF ZINC OXIDE CONTAINING 'ACCEPTOR' ELEMENTS. 3p, (refs omitted).
Order from SLA: $1.10 as TT-65-12322

Trans. of Academie des Sciences, Paris. Comptes Rendus (France) v258 p3672-5 1964 (pub. by Gauthier-Villars et Cie., Paris).
Another trans. is available from SLA $1.10 as TT-65-12255, 7p.

TT-65-12486 Field 20L

Hofmann, U.
REACTIVITY OF FRESH CARBON SURFACES OR PARTICLES. 14p, 39refs.
Order from SLA: $1.60 as TT-65-12486

Trans. of Naturwissenschaften (Germany) v32 p260-8 1944.
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TT-65-12777 Field 20L

Kripyakevich, P. I.; Kuzma, Yu. B.
ALLOY COMPOSITIONS OF RHENIUM WITH ALUMINUM AND THE CRYSTAL STRUCTURES OF SOME OF THEM (Soedineniya Reniya s Alyuminiem i Kristallicheskie Struktury Nekotorykh iz Nikh). 3p, (foreign text included) 3refs.
Order from SLA: $1.10 as TT-65-12777

Trans. of Kristallografiya (USSR) v7 n2 p309 1962.
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TT-65-12844 Field 20L

Wever, H.
THERMODIFFUSION IN BINARY METALLIC MIXED

PHASES. I. THEORETICAL CONSIDERATIONS. 25p, (refs omitted).
Order from SLA: $2.60 as TT-65-12844

Trans. of Zeitschrift fuer Naturforschung (West Germany) v18a n11 p1215-24 1963.

TT-65-12845 Field 20L

Feller, H. G.; Wever, H.; Wilk, Chr.
THERMODIFFUSION IN BINARY METALLIC MIXED PHASES. II. MEASUREMENTS ON SOME PHASES OF THE SYSTEM COPPER-TIN. 32p, (refs omitted).
Order from SLA: $3.60 as TT-65-12845

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TT-65-12874 Field 20L

Gross, F.
PHOTOLUMINESCENCE OF Ag- CONTAINING CRYSTALLINE QUARTZ (Photolumineszenz von Ag-Haltigem Kristallinem Quarz). 6p, (foreign text included) 3refs.
Order from SLA: $1.10 as TT-65-12874

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TT-65-30553 Field 20L, 20I

Golovin, G. F., ed.
APPLICATION OF INDUCTION HEATING IN MICROMETALLURGY. 22 Mar 65, 51p, 16refs. JPRS-29213.
Order from CFSTI or ETC: HC$2.00 MF$0.50 as TT-65-30553

Trans. of mono. Promyshlennoe Primenenie Tokov Vysokoi Chastoti, Leningrad, 1964 p249-90.

TT-65-62918 Field 20L, 7B

Chen-Kun Chia.
A FEW CHEMICAL METHODS OF DETECTING THE CONDUCTIVITY TYPE OF SEMICONDUCTORS. 27 Jul 65, 13p, 8refs. FTD-TT-64-1340; AD-619 313.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-619 313

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TT-65-62925 Field 20L, 20B, 20C

Vul, B. M.
CERTAIN PROBLEMS OF THE PHYSICS OF SEMICONDUCTORS. 28 Jul 65, 12p. FTD-TT-65-537; AD-619 320.

Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-619 320

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M. Thermodynamics

TT-65-63133 Field 20M

Amirkhanov, Kh. I.; Kerimov, A. M.
EXPERIMENTAL INVESTIGATION OF HEAT CAPACITY OF WATER AND WATER VAPOR AT TEMPERATURES FROM 50 TO 450C AND PRESSURES FROM 1 to 1,000 kG/cm(2). 2 Jan 64, 21p, 10refs. FTD-MT-63-147; AD-619 561.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-619 561

Edited machine trans. of Teploenergetika (USSR) v9 n6 p72-8 1962.

TT-65-63141 Field 20M

Druzhinin, S. A.
ON THE CALCULATION OF INTERNAL HEAT EXCHANGE DURING POROUS COOLING. 9 Mar 64, 16p, 12refs. FTD-MT-63-210; AD-619 570.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-619 570

Edited machine trans. of Teploenergetika (USSR) v8 n9 p73-7 1961.

N. Wave propagation

TT-65-63327 Field 20N

Bunakov, V. L.; Gasparov, R. G.
FULL-WAVE MAGNETIC PULSE-WIDTH MODULATOR. 3 Jun 65, 6p. FTD-TT-65-180; AD-620 091.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-620 091

Unedited rough draft trans. of Patent (USSR) 159 197. Patent appl. no. 778385/26-9, 14 May 62.
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21 PROPULSION AND FUELS

D. Fuels

NCH-201 659 Field 21D, 11F

Schenck, H.; Wenzel, W.
PRODUCTION OF BLAST FURNACE COKE ON THE TRAVELLING GRATE. 22 Jul 65. BISI-4221.
Order from BISI: L6 10s as BISI-4221

Trans. of Stahl und Eisen (West Germany) v85 p180-2 Feb 25 1965.

NCH-201 803 Field 21D

Bockmann, R.; Klusmann, A.
ON THE POSSIBILITIES OF X-RAY DETERMINATION OF HYDROGEN IN SOLIDS, ESPECIALLY IN COALS. 1965. BISI-4272.
Order from BISI: L4 10s as BISI-4272

Trans. of Brennstoff-Chemie (West Germany) v46 n1 p17-20 1965.

TT-65-12522 Field 21D

Nottes, G.; Wolf, W.
ANTI-KNOCK FUELS. 5p.
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22 SPACE TECHNOLOGY

No Entries